

13th Edition  
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**HTP** Pro Pulse 200

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**HTP** America Inc.





## Letter from the President



**Welcome to our 13th Edition catalog and thank you for your continued support!** Your loyalty continues to make us one of the top welding suppliers in the United States. We look forward to working with you, now and in the future, and bringing you the latest and greatest in welding technology—at affordable prices and without compromising on quality.

The 13th Edition catalog introduces four new machines—the **Pro Pulse™ 300** (pg. 3), the **Inverarc 200 TLP** (pg. 9), the **MIG 200i** (pg. 21), and the **MicroCut™ 875SC v2** (pg. 28). We packed our multi-process Pro Pulse 300 with even more features than the Pro Pulse 200, making this powerful machine capable of handling any and every job you undertake meeting or exceeding your expectations. The impressive Inverarc 200 TLP runs stick, pulsed stick, TIG, and pulsed TIG, and the compact size of the power source makes this versatile little welder perfect for work just about anywhere. With the MIG 200i, you can weld in manual or synergic mode with Easy Set™ technology, and the incredible arc dynamic makes the MIG 200i suitable for welding any type of material and any material thickness from 26 gauge up to 1/4"! Lastly, we redesigned the original MicroCut 875SC, and now offer this amazing plasma cutter with or without built-in CNC capabilities.

We also added a couple of new helmets to our already stellar helmet roster—the **Striker™ Supreme XL** (pg. 45) and the **Optrel® Panoramaxx** (pg. 47). The Striker Supreme XL includes all of the same features as the ever-popular Striker Supreme, but also features a larger, 3.94" x 2.87" (over 11 square inch) viewing area. Optrel's newest helmet, the Panoramaxx, features a nose cutout which brings the ADF lens closer to your eyes; the cutout makes the frame nearly imperceptible to you and provides a visual field 6-times larger than that of any other welding helmet available today!

Be sure to check out our new **Heavy-Duty Welding Cart** (pg. 25), as well as our new five-stage filtration air dryer—the **Max Dry XXL** (pg. 29). Our newest welding cart offers plenty of room to store your welding and cutting equipment and accessories, while front casters, large back wheels, and a handle allow you to easily move your equipment around your garage, workshop, or jobsite. The Max Dry XXL includes all of the same features as our Max Dry unit, but includes a larger, 4-quart (1-gallon) desiccant bed—perfect for CNC plasma cutting and keeping your air-powered tools in tip-top shape.

Last but not least, we made the 13th Edition catalog interactive! When you see a QR code, use your smartphone or tablet to scan the code.\* **Red QR codes** direct you to a webpage where you will find more in-depth information about an HTP product, while **blue QR codes** direct you to a YouTube video playlist of a specific HTP product. For instance, the QR code to the right directs you to our Usaweld.com homepage when scanned.



As always, please feel free to visit us on our website for a larger selection of welding accessories, along with the latest news and information on our most current sales.

Enjoy the new catalog and thank you again for your continued support!

Sincerely,

**Jeff Noland, President**  
HTP America, Inc.

*\*The camera on your smartphone or tablet may include a built-in QR code reader. If not, you may need to download a QR code reader app.*

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# Pro Pulse™ 300

## #60300P

**\$4895.00** Price for the power source alone.

For details on accessory options and prices, please call customer service at 800-872-9353.

We proudly introduce our newest flagship welding machine—the HTP® Pro Pulse 300. The Pro Pulse 300 carries on the legacy of its little brother, the Pro Pulse 200, and brings it to the next level.

You asked us for a true multi-process welding machine capable of MIG, TIG, and Stick welding, and the Pro Pulse 300 represents our answer to your requests. Not only did we make the Pro Pulse 300 capable of MIG, TIG, and Stick welding, but we made the Pro Pulse 300 capable of pulse MIG, pulse TIG, and pulse Stick as well. On a machine of this magnitude, you expect the best of the best, so we designed the Pro Pulse 300 to run on single or 3-phase power from 200V to 575V—with no de-rating in output or duty cycle ever!

The Pro Pulse 300 features the same convenient 8" LCD and easy to understand menu as the Pro Pulse 200, but we packed the Pro Pulse 300 with even more features. Some of the features include an ST-arc function, I-Cold Pulse™ technology for production welding of mild steel, single and double pulse (standard and fully adjustable double pulse) in every pulse program and for every material, along with more adjustable hot start function and slope down function for filling end craters, which enables you to weld aluminum with superior control.

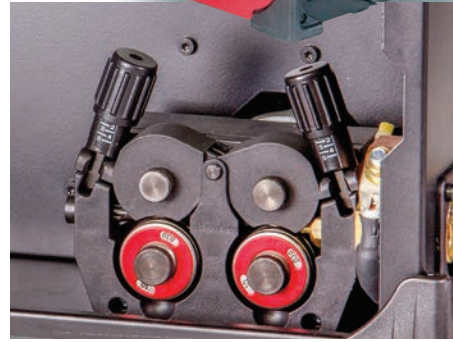
Speaking of superior control, the Pro Pulse 300 features a Swiss-Made, 4-roll gear drive wire feeder, with an encoder, for precise monitoring of the wire feed rate. For aluminum welding, the fully geared wire feeder features individual adjustable pressure on each set of drive rolls. The wire feed system gives you the ability to run 3/64" aluminum wire through a 10' MIG welding gun or through a push/pull gun up to 35'. Because the Pro Pulse 300 puts out such high peak currents, HTP offers both air- and water-cooled MIG and TIG options.

A relatively lightweight package makes the Pro Pulse 300 portable enough to bring to any jobsite, so we also included a spool gun option. We designed our USA-Made spool gun to be fully compatible with all hot start, slope down, pulse, and double pulse features, and, of course, the spool gun offers synergic remote control features just like our German-Made push/pull systems do. No matter what you weld, from the thinnest auto body material to the thickest, multi-pass material in an industrial or manufacturing setting, the Pro Pulse 300 is the right machine for you. With programs to meet almost every need, from dual shield stainless to pulse aluminum on a variety of alloys (4043, 5356, or 5554), the Pro Pulse will handle every job meeting or exceeding your expectations.

 Made in Italy.



SCAN to see the  
Pro Pulse 300  
in action.



### SPECIFICATIONS

Maximum Output Amperage	
Stick & TIG	300
MIG	320
Minimum Output Amperage	
Stick & TIG	4
MIG	12
Duty Cycle	
MIG, TIG, & Stick	35% @ 300A · 60% @ 250A · 100% @ 200A
Arc Voltage	13 to 35V (+/- 8V)
Open Circuit Voltage	
Stick & TIG	65
MIG	79
Cooling	On-demand, dual fan w/variable speed
Input Voltage	
Single Phase	208/240V
3-Phase	200 to 575V
Input Amperage	
Single Phase	50.7
3-Phase	
240V	31.1
480V	15
Frequency (Single & 3-Phase)	50/60Hz
Wire Feed Rate (in./min.)	55-709
Size	26 3/4" L x 12" W x 17 1/4" H
Weight	95 Lbs.

**Pro Pulse™ 200**

#60200P

**\$2195.00**

**Introducing the latest addition to the HTP lineup - the innovative Pro Pulse 200, a synergic, pulsed, multi-process Infineon® IGBT Inverter MIG welder.**

The Pro Pulse 200 offers a manual mode, as well as 22 synergic programs - both with and without pulse - giving you the advantage of a virtually spatter free weld on mild steel, aluminum, stainless steel, silicon bronze, or flux-cored wires.

Parameter selection on pulsed process MIG welders can be complex, but the Pro Pulse 200 features synergic weld settings, including full synergic pulse settings, making parameter selection more intuitive and automatic. In fact, the Pro Pulse 200, with its three-step process, makes setup a breeze and gets you welding in minutes - simply select your process, wire diameter, and material thickness during automated setup. The 8 square inch, LCD featured on the Pro Pulse 200 adds to setup simplicity, enabling you to easily view and adjust your weld parameters.

The Pro Pulse 200 offers, as the first in its class, ST-arc. The ST-arc function reads welding parameters back to the welding machine live (while welding). This function



monitors the arc length and keeps the arc length constant, while allowing the stick-out (contact tip to work distance) to vary. ST-arc, essentially, allows the new welder to focus on the location of the weld, as well as the travel speed, and also allows the experienced welder to keep a perfectly uniform weld bead and uniform heat input, which enables the welder to achieve good welds in tight corners—a feature that couldn't be reached previously with conventional welding equipment.



**To weld mild steel with solid wire, you can utilize the available spot and stitch options, but you can also use pulse.** Pulse welding on mild steel gives you excellent penetration, due to an extremely hot spray arc, and at the same time gives you perfect puddle control for both in- and out-of-position welding. Remarkably, the Pro Pulse 200, when used on clean material, provides a virtually spatter free weld—from start to finish—which results in a very smooth bead appearance, without the need for cleanup.

**You can also weld aluminum with or without pulse.** Our advanced, synergic programs and the Swiss-made wire feed mechanism featured on the Pro Pulse 200 enable you to feed aluminum wire with repeatable precision through our standard 8' 26 Series MIG gun. The ability to maintain a stable and smooth arc at 22 amps allows you to weld aluminum as thin as 1/32" (0.031"). Our pre-programmed Double Pulse program allows you to make "MIG like TIG" welds with the desired "stack of dimes" look. And for all welders who are in a hurry and never have time to preheat aluminum, the Pro Pulse 200 features a built-in hot start function, which lets you to set a predetermined amount of time or a trigger controlled weld at a hotter setting before switching back to your standard setting. For aluminum welding, we incorporated a slope down function, which fills craters and prevents cracks in your

## SPECIFICATIONS

Maximum Output Amperage	200
Minimum Output Amperage	20
Maximum Recommended Thickness	¼" to ⅜"
<i>*Single pass capacity varies depending on material being welded and settings of machine</i>	
Duty Cycle	35% @ 200A 100% @ 140A
Open Circuit Voltage	75
Electronic Overload Protection	Yes
Cooling	Air
Wire Spool Capability	*4", 8", and 12"
<i>*4" spool with spool adapter, up to 44 Lb. weight capacity</i>	
Wire Diameter	.023" to .045"
<i>*Depends on material being welded (not all wire can be welded in all sizes)</i>	
Input Voltage	208 - 240V
Input Amperage	35
Frequency	50/60Hz
Wire Feed Rate *In./Min.	7 to 630
Size	
Length	19 ¾"
Width	10"
Height	14 ½"
Weight *Without wire and cables	42 Lbs

weld. Since 4043 and 5356 alloy aluminum wires weld and feed differently, the Pro Pulse 200 comes set up with programs for both. And for our customers in the collision repair industry, the Pro Pulse 200 offers a program for 5554 alloy aluminum wire, as well as pulsed Silicon Bronze programs.

### In addition to mild steel and aluminum, we included programs that allow you to pulse weld stainless steel.

Again, pulse welding stainless steel provides nearly spatter free welding. In our stainless steel pulse programs, we included the option to adjust pre- and post-flow gas, as well as slope down, which allows you to produce stainless welds with the clean "MIG like TIG stack of dimes" look.

### For those who weld galvanized steel, weld sheet metal, or repair cast iron, we included a silicon bronze program which

allows you to weld silicon bronze wire with a pulsed spray arc. A pulsed spray arc enables you to weld galvanized steel or sheet metal without melting through the zinc coating and without distorting the sheet metal. On cast iron, pulsed spray arc gives you the ability to braze broken castings back together cold, or without pre-heat, and with very similar tensile strength to the original casting. Lastly, we included a gasless flux-cored program, as well as a gas shielded flux-cored program for your structural welding and fabrication needs. A simple polarity reversal allows you to weld using flux-cored wire without shielding gas.

Every program set up in the Pro Pulse 200 shows you which wire and diameter to use and which shielding gas to use, enabling you to achieve the perfect weld rather easily.

Furthermore, the Pro Pulse 200 allows you to set and store up to 30 different weld jobs, and with the Trigger Job function, you can apply three of the 30 different weld jobs to the welding gun trigger—simply depress the trigger to call up each job. Essentially, with the Pro Pulse 200, you get multiple, highly specialized MIG welders in one compact and light-weight package. And with the addition of a TIG welding torch and a remote control, such as a hand control or a foot control, the versatile Pro Pulse 200 also functions as a lift-arc, DC TIG welder.

**A light-weight design makes the Pro Pulse 200 the ideal MIG for use both in the workshop and on the jobsite, and the multi-process nature of the machine offers nearly endless welding possibilities. Backed by a 90-day money back guarantee and a 3-year warranty.**

 *Made in Italy.*



SCAN to see the  
Pro Pulse 200  
in action.

# Invertig 221

- Air Cooled #70221-PS \$2495.00**
- Water Cooled #70221WC \$3170.00**
- Dual Voltage #70221DV-PS \$3020.00**
- Dual Voltage Water Cooled #70221DV-WC \$3695.00**

When we introduced our first 200 amp AC/DC inverter machine in 2000, we were up against some major competitors. However, the market readily accepted the tough line of HTP Invertig welders. Fast forward to today—HTP introduces our third generation of AC/DC inverter machines, the HTP Invertig 221!

HTP continues to set new standards in AC/DC inverter welders with the Invertig 221. We increased the maximum welding current by 10% to a full 220 amps of rugged welding power. And we put the machine on a diet; the HTP Invertig 221 weighs in at only 48-50 lbs, so it's easy to take right to the job! We also added the Invertig 221 DV (dual voltage) model which welds on both 110 volts and 220 volts—the ultimate in portability.

The Invertig 221 is packed with features many of our competitors don't even offer at twice the price! It's the only welder in its class with independent AC amperage adjustment. This feature gives you precise control over the heat input to both the workpiece and the tungsten by allowing you to limit either the electrode negative or electrode positive amperage.

Conventional transformer TIG welders have a fixed AC frequency of 60 Hz (same as your household current). They use a pure tungsten electrode which forms a ball when welding AC. The Invertig 221 offers you the ability to adjust the AC frequency from 20 Hz to 200 Hz—the higher AC frequency gives you a more focused arc with greater arc control. With an inverter, running a higher AC frequency, say in the 150 Hz to 200 Hz range, allows you to use ceriated, lanthanated, or thoriated tungsten sharpened to a point, which:

- Allows the arc to jump from a point instead of a ball, providing unparalleled arc stability and reducing "arc wandering".
- Produces a more focused arc, resulting in a narrower bead, making it much easier to weld inside corners.
- Minimizes the heat affected zone as the heat is more concentrated, making it easier for both the novice and professional to weld thin materials.



**Optional upgrade accessories:**

- 25' long, 17 Series air-cooled TIG torch with a 25' foot pedal. **\$60.00**
- 25' Ground with Clamp **\$60.00**
- 15' Ground extension **\$60.00**
- Water-cooled upgrade - includes water-cooler, 2-gallons of coolant, and replaces air-cooled torch with a 20 Series water-cooled torch with nylon cover **\$675.00**
- Hand amp control, slider or rotary, includes foot pedal **\$185.00**
- Hand amp control, slider or rotary, does not include foot pedal **\$48.00**
- 15' Electrode Holder & Cable **\$60.90**
- Welding Carts, Page 25 **\$149.95/\$350.00**
- Consumable Kit **\$61.00**
- Pyrex Cup Kit **\$54.95/\$60.95**
- Machine Cover for Invertig 221 **\$55.00**
- Leather Cover for TIG Torches 10' **\$48.95**
- Leather Cover for TIG Torches 23' **\$85.95**

The 221 gives you precise control over the AC balance (from 10% to 90%) so you can control the arc cleaning action.

The 221 is an excellent DC welder. The smooth, stable arc coupled with the 221's high speed DC pulse makes intricate work on mild steel, 4130, stainless, inconel, and titanium a breeze. The high speed DC pulse focuses the DC arc much like the AC balance focuses the AC arc; the end result—more control and less arc wandering. With a pulse rate of up to 999pps, there isn't a job out there the 221 can't handle.

Let's face it, control of the arc is the foundation of better welds and precision results. With the 221's independent AC amperage adjustment, adjustable AC frequency, adjustable AC balance, and high speed DC pulse, the 221 gives you arc control like you never before experienced.

The 221 allows you to store 64 separate welding programs. Say you find a setting you really like for welding aluminum radiator tanks. Simply store this program and you can come back to it when you have another tank job.

The Invertig 221 provides outstanding performance when stick welding, in either AC or DC modes, and offers you the ability to pulse stick weld.

Select the touch start mode for welding aluminum or any other material without High Frequency. This is important if your application takes you near sensitive electronic equipment, such as on site repairs in a hospital or repairing aluminum vehicles with on-board computers.

This package of power comes standard with a 12 ½' long 17 Series air-cooled TIG torch, a 12 ½' foot pedal, 10' ground clamp, flowmeter, gas hose and TIG DVD.

The advanced technology found in the Invertig 221 allows you to produce professional quality welds in all types of metal—quickly, easily, and affordably. And every Invertig 221 comes with our 90-day money back guarantee. We are so sure you will love your Invertig 221 that you can try it in your own shop for 90 days—if for any reason you don't like it, we will take it back, no questions asked. Further we back the machine with a 3-year warranty. The Invertig 221 ships free anywhere in the Continental United States, additional charges will apply for Hawaii, Alaska, Puerto Rico and international locations.

 Made in Italy.

SPECIFICATIONS	Invertig 221	Invertig 221 DV	
Input Voltage	<b>230 Volts</b>	<b>230 Volts</b>	<b>115 Volts</b>
Input Amperage Tig	36 amps @ 220 amps	26 amps @ 220 amps	30 amps @ 130 amps
Output Amperage Tig	4 to 220 amps	4 to 220 amps	4 to 155 amps
Duty Cycle	20% @ 220 amps 60% @ 165 amps 100% @ 145 amps	20% @ 220 amps 60% @ 165 amps 100% @ 145 amps	20% @ 155 amps 60% @ 130 amps 100% @ 110 amps
No Load Voltage	65 volts	65 volts	44 volts
Stick Welding Amps	200 amps	200 Amps	140 Amps
Arc Voltage	10.2 to 18.8 volts	10.2 to 18.8 volts	
Torch Length/Type	SR 17 – 12.5' Long	SR 17 – 12.5' Long	
Foot Pedal Length	12.5 ft	12.5 ft	
Ground Cable Length	10 ft	10 ft	
Slope Down	.1 to 10 sec	.1 to 10 sec	
Pre-Gas Flow	.1 to 2 sec	.1 to 2 sec	
Post Gas Flow	.1 to 30 sec	.1 to 30 sec	
Final Current	10% to 90%	10% to 90%	
Pulsing Frequency	0.1 to 999 Hz	0.1 to 999 Hz	
Back Ground Current	10% to 90%	10% to 90%	
Peak Time	10% to 90%	10% to 90%	
Spot Welding Time	.1-10 sec	.1-10 sec	
AC Frequency	20 to 200 Hz	20 to 200 Hz	
AC Balance	10 to 90%	10 to 90%	
Weight	48 lbs.	50 lbs.	
Size	19 ¾" L x 7 ½" W x 15 ¾" H	19 ¾" L x 7 ½" W x 15 ¾" H	



Water Cooled version of the Invertig 221 with Arctic Chill Cooler. Cart and tank not included.



# Arctic Chill 5460 Water Cooler

The HTP Arctic Chill 5460 Water Cooler for TIG welding features a flat folding handle for easy portability – we have seen many coolers without handles, and it is a struggle to get the cooler out from underneath your welder, or in and out from your cart. The convenient screw cap fill, and bottom drain make filling and changing coolant quick and easy. Standard 5/8 - 18 left hand male water fittings means your Arctic Chill cooler is compatible with all major brands of water cooled torches. Clearly marked water in and out lines, makes it harder to reverse the coolant flow, so you don't boil the coolant in the torch head.

Let's face it; what is important about a water cooler is what is on the inside. The Arctic Chill 5460 features a ½ HP sealed motor that is made in Italy. A sealed motor will last longer in a harsh environment since dust, dirt, and metal filings won't get into the windings of the motor. A stainless steel pump, with a bronze impeller, will move plenty of coolant to keep your TIG torch cool. And a 5 bladed fan will move plenty of air across the heat exchanger.

The heat exchanger in the Arctic Chill 5460 measures 7 ½" wide by 11" high, giving you a surface area of over 80 sq inches to dissipate the heat generated by your welding process. Our heat exchanger also features 2 rows of copper tubes, not one like some of our competitors.

Heat Exchanger



Sealed Motor and Five-Bladed Fan



The Arctic Chill 5460 is available in five models:

- AC5460-110 • Arctic Chill Cooler - 110 Volts • **\$439.00**
- AC5460-221 • Arctic Chill Cooler - 220 Volts for HTP Invertig 221 • **\$449.00**
- AC5460-220-NP • Arctic Chill Cooler - 220 Volts, Plug Not Included • **\$449.00**
- AC5460-DV • Arctic Chill Cooler - Dual Voltage for HTP Invertig 221DV • **\$499.00**
- AC5460-DV-NP • Arctic Chill Cooler - Dual Voltage, Plug Not Included • **\$499.00**

Specifications	110 Volts	220 Volts
Motor Input	115 volts 60 Hz	220 volts 50/60 Hz
Maximum Current Draw	1.8	1.1 / 0.9
Rated Cooling Capacity	3760 Watts @ 1.7 Qts/Min or 12,380 Btu/Hr @ 1.8 Qts/Min	
Tank Capacity	2 Gallons	
Dimensions	14" H x 10" W x 17 ¾/4" D	
Weight	30 lbs.	



Please see page 12 for Coolant and Algae Eliminator products and information.

Motor and pump are made in Italy.



# Inverarc 200 TLP

#70200TLP

**\$1499.00**

Introducing another new addition to HTP's stellar lineup of welding and cutting equipment—the Inverarc 200 TLP. The versatile Inverarc runs the following processes: SMAW (stick), SMAW-P (pulsed stick), GTAW (TIG), and GTAW-P (pulsed TIG). No matter which type of stick welding rod your job requires, the Inverarc provides two stick welding mode options to cover all of your needs - ARC (standard stick welding mode) and CEL (stick welding mode with enhanced arc characteristics designed especially for rods with cellulosic flux coatings, such as 6010 and 6011 rods, or specialty rods, such as certain hard-surfacing rods).

When stick welding, in either the ARC welding mode or the CEL welding mode, the Inverarc offers a few adjustable functions - arc force, hot start, and pulse frequency. In the ARC welding mode, you can vary the arc force value from 0% to 200%, and in the CEL welding mode, you can vary the arc force from 0% to 500%. In both the ARC welding mode and the CEL welding mode, you can vary the hot start value from 3% to 40% and the pulse frequency value from 0.4 Hz to 5 Hz.

Only a few engine driven welders match the incredible arc dynamic of the Inverarc 200 TLP.

The Inverarc also functions as a lift-start, DC TIG with pulse ability. To run the Inverarc in the TIG welding mode, you only need a TIG torch (with a gas valve in the handle), a flowmeter, and a gas bottle. Connecting a remote control, such as a foot pedal or a hand control, enables you to easily and remotely adjust the output amperage. However, you can still adjust the output amperage without a remote control—simply use the encoder on the Inverarc to adjust the output amperage as necessary.

In the TIG welding mode, the Inverarc offers two adjustable functions—slope down and pulse frequency. You can vary the slope down time from 0.1 seconds to 10 seconds, or you can turn slope down off, and you can vary the pulse frequency value from 0.4 Hz to 999 Hz.

When you purchase an Inverarc 200 TLP, the package includes the power source, the electrode holder and cable assembly, the ground clamp and cable assembly, and a travel bag. The Inverarc operates on single-phase, 230 volt power (208-240 volt), and comes set up with a NEMA 6-50P plug. Packed with power and backed by a 3-year warranty, the Inverarc is perfect for a multitude of welding applications in virtually any location, thanks to the light-weight and small size of the power source, along with the convenient travel bag



## SPECIFICATIONS

Input Voltage	230 V (208 – 240 V), Single-Phase, 50/60 Hz
Input Amperage	43 A @ 200 amps SMAW
Output Amperage	4 – 200 A
Duty Cycle	20% @ 200 amps 100% @ 125 amps
No Load Voltage	100 V
No Load Voltage with VRD On	Less than 25 V
Arc Voltage (Stick)	20.2 – 28 V
Arc Voltage (TIG)	10.2 – 18 V
Arc Force (Stick Only)	ARC Welding Mode 0 – 200% CEL Welding Mode 0 – 500%
Hot Start (Stick Only)	3 – 40%
Pulse Frequency (Stick)	0.4 – 5 Hz
Pulse Frequency (TIG)	0.4 – 999 Hz
Slope Down (TIG Only)	.1 – 10 Sec
Length	13-5/8"
Width	5-1/2"
Height	11"
Weight	15 Lbs.

## OPTIONAL ACCESSORIES

Part#	Description	Price
1712V-35D-58	12.5' 17 Series Air-Cooled TIG Torch w/Valve	<b>\$138.95</b>
1725V-35D-58	25' 17 Series Air-Cooled TIG Torch w/Valve	<b>\$163.95</b>
70200TLP-FP-12	12.5' Foot Pedal	<b>\$159.95</b>
70200TLP-FP-25	25' Foot Pedal	<b>\$189.95</b>
ROTARY70200TLP	25' Rotary Hand Control	<b>\$195.95</b>
SLIDER70200TLP	25' Slider Hand Control	<b>\$195.95</b>
12020-F	Flowmeter	<b>\$35.00</b>
22315-EXT	15' Extension for Electrode Holder/Ground Clamp	<b>\$60.00</b>

 Made in Italy.

SCAN to see the  
Inverarc 200 TLP  
in action.



# TIG Filler Rod

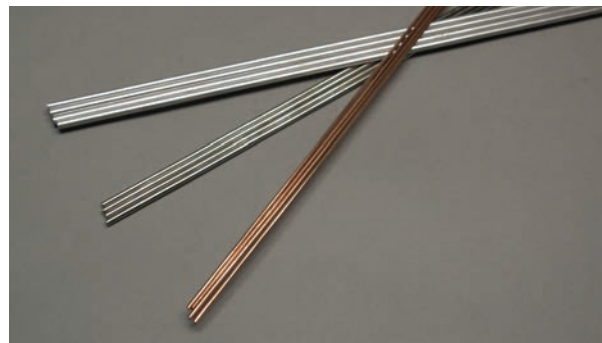
## Filler Rod for TIG Welding

In TIG welding, the filler rod is fed into the molten puddle by hand. The choice of filler rod is extremely important as the rod must correctly match the material and alloy you will be welding. The thickness of the material to be welded determines the diameter of the filler rod.

Here are some good rules of thumb to help you select the correct filler metal:

1. 4043 is a good general filler metal for most aluminum applications. Remember 2xxx and 7xxx series aluminum is generally not recommended if the application requires welding.
2. 5356 is used for 5xxx series aluminum and is generally preferred if the finished piece will be anodized.
3. ER70S-6 is generally used for mild steel welding.
4. ER70S-2 is highly recommended for welding 4130 chrome moly tubing in many applications.
5. ER80S-D2 is recommended for welding 4130 chrome moly tubing if a higher strength, less ductile weld is required. If your weld will be heat treated to obtain optimum strength, then use a filler metal which matches the chemistry of your tubing, which neither 70S-2 nor 80S-D2 wires do.
6. Generally speaking, use a 1/16" diameter filler rod for applications where the material is 1/8" and less. Use a 3/32" diameter rod for 1/8" and thicker.

HTP offers you high quality filler rods in affordable quantities. All filler rod is packaged in 2 lb., 5 lb. or 10 lb. containers to keep your filler rod fresh and contaminant free.



### FILLER ROD

PART #	Material		Sale Price
4043-116-36-2	4043 Alloy Aluminum Wire 1/16" X 36"	2 lbs.	\$21.95
4043-116-36-5	4043 Alloy Aluminum Wire 1/16" X 36"	5 lbs.	\$45.00
4043-332-36-2	4043 Alloy Aluminum Wire 3/32" X 36"	2 lbs.	\$21.95
4043-332-36-5	4043 Alloy Aluminum Wire 3/32" X 36"	5 lbs.	\$45.00
4043-18-36-2	4043 Alloy Aluminum Wire 1/8" X 36"	2 lbs.	\$21.95
4043-18-36-5	4043 Alloy Aluminum Wire 1/8" X 36"	5 lbs.	\$45.00
5356-116-36-2	5356 Alloy Aluminum Wire 1/16" X 36"	2 lbs.	\$21.95
5356-116-36-5	5356 Alloy Aluminum Wire 1/16" X 36"	5 lbs.	\$45.00
5356-332-36-2	5356 Alloy Aluminum Wire 3/32" X 36"	2 lbs.	\$21.95
5356-332-36-5	5356 Alloy Aluminum Wire 3/32" X 36"	5 lbs.	\$45.00
5356-18-36-2	5356 Alloy Aluminum Wire 1/8" X 36"	2 lbs.	\$21.95
5356-18-36-5	5356 Alloy Aluminum Wire 1/8" X 36"	5 lbs.	\$45.00
308L-045-18-2	308L Stainless Steel Wire .045" X 36"	2 lbs.	\$28.00
308L-045-18-10	308L Stainless Steel Wire .045" X 36"	10 lbs.	\$110.00
308L-116-36-2	308L Stainless Steel Wire 1/16" X 18"	2 lbs.	\$28.00
308L-116-36-10	308L Stainless Steel Wire 1/16" X 18"	10 lbs.	\$110.00
308L-332-36-2	308L Stainless Steel Wire 3/32" X 18"	2 lbs.	\$28.00
308L-332-36-10	308L Stainless Steel Wire 3/32" X 18"	10 lbs.	\$110.00
70S6-116-36-2	ER70S-6 Steel Wire 1/16" X 36"	2 lbs.	\$21.50
70S6-116-36-5	ER70S-6 Steel Wire 1/16" X 36"	5 lbs.	\$38.00
70S6-332-36-2	ER70S-6 Steel Wire 3/32" X 36"	2 lbs.	\$21.50
70S6-332-36-5	ER70S-6 Steel Wire 3/32" X 36"	5 lbs.	\$38.00
70S2-116-36-2	ER70S-2 Steel Wire 1/16" X 36"	2 lbs.	\$25.50
70S2-116-36-5	ER70S-2 Steel Wire 1/16" X 36"	10 lbs.	\$95.00
80SD2-116-2	ER80SD-2 Steel Wire 1/16" X 36"	2 lbs.	\$27.50
80SD2-116-10	ER80SD-2 Steel Wire 1/16" X 36"	10 lbs.	\$98.00

## Tungsten Grinders

Still sharpening your Tungsten Electrodes on a dirty, worn grinding wheel? Then you need The Grinder by HTP. This exceptional unit puts the perfect, 22.5 degrees, point on your tungsten electrode every time, making it an affordable alternative to precisely cut, flattened and sharpened electrodes. It's the perfect accessory for both the professional and part-time TIG Welder! The Grinder has six speeds to choose from, ranging from 8000 to 30,000 rpm. Available in 110 V (weighing just 1 pound) or our battery operated model, you will find both are extremely portable and easy to take right to the job.

The Adjustable Tungsten Grinder, which includes all the features of our standard grinder, plus, the added bonus of adjusting the angle, or the point of the tungsten, from 10 to 30 degrees. The Adjustable Tungsten Grinder is available as a 110 V or battery operated models as well.

All HTP Tungsten Grinders come with 1/16", 3/32" and 1/8" collets, and replaceable diamond wheel, which is double sided for long life -- so when one side is worn out, you just flip it over and keep sharpening. Additional diamond wheels and collets for grinding .040" tungsten are available and sold separately. The battery operated models come complete with a carrying case, 12 V rechargeable battery, and a 110 V charger!

Part #

Sharpener	<b>Tungsten Grinder</b>	List \$474.95   <b>Sale \$239.95</b>
TS-ADJ	<b>Adjustable Tungsten Grinder</b>	List \$549.95   <b>Sale \$299.95</b>
TS-PPE-BAT	<b>Battery Operated Tungsten Grinder</b>	List \$499.95   <b>Sale \$319.95</b>
TS-PPE-ADJ-BAT	<b>Battery Operated Adjustable Tungsten Grinder</b>	List \$569.95   <b>Sale \$379.95</b>



Standard Grinder Head



Adjustable Grinder Head



# Tungsten

## Selecting the correct tungsten electrode is important to getting high-quality welds and making your welding easier.

Some important factors to be considered in making the right choice are type of power source (Inverter or transformer), material to be welded (steel, aluminum or stainless steel) and the thickness of the material.

We offer the following premium quality tungsten ground to a high quality finish. All tungsten is 7" long and sold in packages of 10. For individual piece you can visit our website at [www.USAWeld.com](http://www.USAWeld.com) or call us at 800-USA-WELD (800-872-9353).

**Pure Tungsten (TP) - Green Tip** - Readily forms a ball on the end. It is generally used with transformer-based power sources for AC welding of aluminum.

**2% Thoriated Tungsten (TT2) - Red Tip** - This tungsten is the most common tungsten currently being used. It is generally utilized for DC welding of steel and stainless steel and offers good overall performance. A drawback is that this tungsten has a low level radiation hazard.

**2% Ceriated Tungsten (TC2) - Grey Tip** - 2% Ceriated is an excellent substitute for 2% Thoriated tungsten if you are using a transformer-based power source for DC welding. This

tungsten is popular for thinner materials because it requires less amperage to start. It offers a stable arc and can be used for both AC and DC welding with inverter power sources.

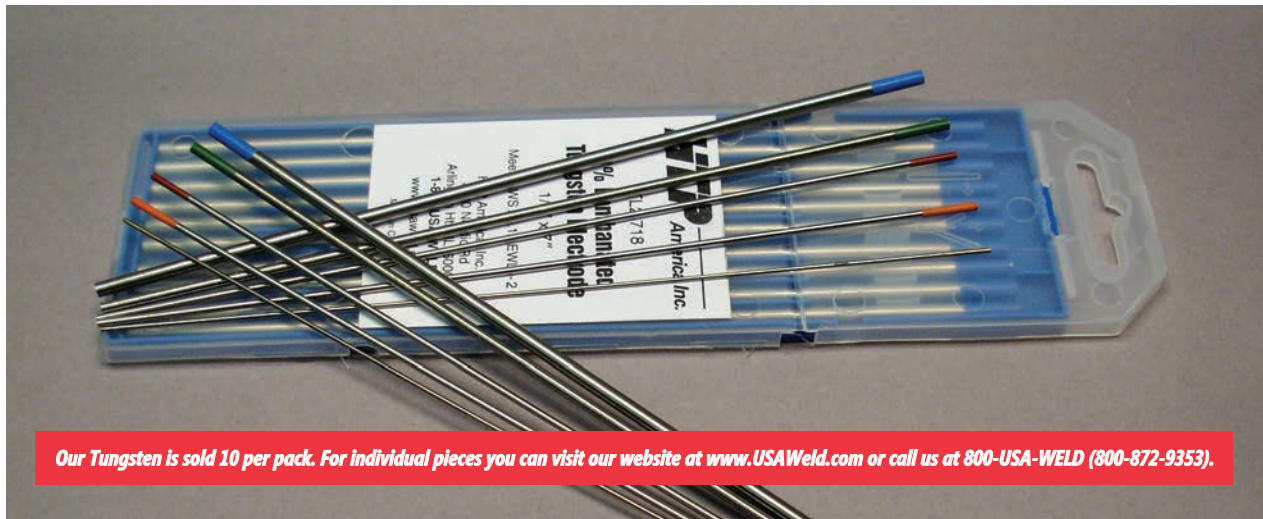
**1 ½% Lanthanated Tungsten (TL15) - Gold Tip** - 1½% Lanthanated is also a great substitute for 2% Thoriated tungsten. It offers good arc starting characteristics and longer life than 2% Thoriated. It can be used for both AC and DC welding with both inverter and transformer power sources.

**2% Lanthanated Tungsten (TL2) - Blue Tip** - 2% Lanthanated is the most commonly used non-radioactive tungsten and also a great substitute for 2% Thoriated tungsten. It offers great arc starting characteristics and longer life than 2% Thoriated, a good tungsten for pulsing or welding that requires frequent re-ignitions with a short weld cycle. It can be used for both AC and DC welding with both inverter and transformer power sources.

**Quad Tungsten (Q4) - Light Green Tip** - A great substitute for 2% Thoriated, this is our proprietary blend of four rare earth oxides. This tungsten works well on both AC and DC processes, and both transformer and inverter machines. Q4 tungsten offers extended electrode life, keeps a sharpened point and is non-radioactive.

## Tungsten Diameter and Prices, 10 per Package

Tungsten Type	.040" (1.0mm)	1/16" (1.6mm)	3/32" (2.4mm)	1/8" (3.2mm)
Pure Tungsten	TP-7040 <b>\$11.45</b>	TP-7116 <b>\$14.95</b>	TP-7332 <b>\$23.45</b>	TP-718 <b>\$30.95</b>
2% Thoriated	TT2-7040 <b>\$11.45</b>	TT2-7116 <b>\$14.95</b>	TT2-7332 <b>\$23.45</b>	TT2-718 <b>\$30.95</b>
2% Ceriated	TC2-7040 <b>\$11.45</b>	TC2-7116 <b>\$14.95</b>	TC2-7332 <b>\$23.45</b>	TC2-718 <b>\$30.95</b>
1½% Lanthanated	TL15-7040 <b>\$11.45</b>	TL15-7116 <b>\$14.95</b>	TL15-7332 <b>\$23.45</b>	TL15-718 <b>\$30.95</b>
2% Lanthanated	TL2-7040 <b>\$11.45</b>	TL2-7116 <b>\$14.95</b>	TL2-7332 <b>\$23.45</b>	TL2-718 <b>\$30.95</b>
Quad Tungsten	TQ4-7040 <b>\$11.45</b>	TQ4-7116 <b>\$14.95</b>	TQ4-7332 <b>\$23.45</b>	TQ4-718 <b>\$30.95</b>
Amperage - AC	20-30	30-80	60-130	120-200
Amperage - DC	15-50	50-120	80-150	130-250



Our Tungsten is sold 10 per pack. For individual pieces you can visit our website at [www.USAWeld.com](http://www.USAWeld.com) or call us at 800-USA-WELD (800-872-9353).

# Pyrex Cups & Kits

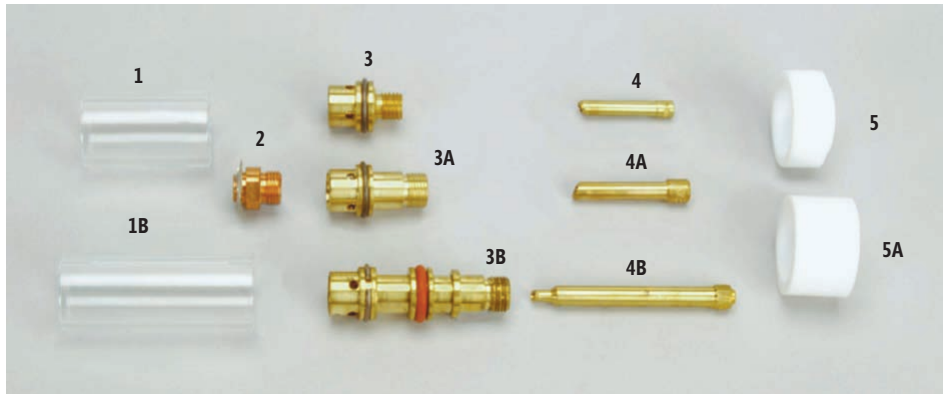
Nothing makes welding easier than being able to see what you are doing. HTP's Pyrex Cup kits do just that!

The clear Pyrex cup gives you unparalleled visibility of the arc and work. The Pyrex cup kit also comes standard with our special gas saver gas lens. This unique system saves gas while at the same time providing better gas coverage with a more even and uniform gas flow - eliminating gas turbulence, which can cause weld quality problems. Pyrex cup kits are available to fit all standard torches. There is even a special large diameter kit available for welding titanium.

 Made in the USA



Series 17 Pyrex Cup with Gas Saver in short and standard configurations



### Pyrex Cup Parts

Illus #	Description	Tungsten Diameter				Price
		0.040"	1/16"	3/32"	1/8"	
<b>For 9 Series Air Cooled and 20 Series Water Cooled TIG Torches</b>						
1	Pyrex Cup	PYR8S	PYR8S	PYR8S	PYR8S	\$ 16.95
2	Tungsten Adapter	PYR040TA	PYR116TA	PYR332TA	PYR18TA	\$ 4.83
3	Collet Body	PYR20CB	PYR20CB	PYR20CB	PYR20CB	\$ 4.25
4	Wedge Collet	PYR20C040	PYR20C116	PYR20C332	PYR20C18	\$ 3.21
5	Heat Shield	2HSGS	2HSGS	2HSGS	2HSGS	\$ 6.21
	Complete Kit	PYREX20-040	PYREX20-1/16	PYREX20-3/32	PYREX20-1/8	\$ 34.95
<b>For 17 and 26 Air Cooled and 18 Series Water Cooled</b>						
<b>Short Configuration</b>						
1	Pyrex Cup	PYR8S	PYR8S	PYR8S	PYR8S	\$ 16.95
2	Tungsten Adapter	PYR040TA	PYR116TA	PYR332TA	PYR18TA	\$ 4.83
3A	Collet Body	PYR17SCB	PYR17SCB	PYR17SCB	PYR17SCB	\$ 4.25
4A	Wedge Collet	PYR17SC040	PYR17SC116	PYR17SC332	PYR17SC18	\$ 4.71
5A	Heat Shield	3HSGS	3HSGS	3HSGS	3HSGS	\$ 6.25
	Complete Kit	PYREX17S-040	PYREX17S-1/16	PYREX17S-3/32	PYREX17S-1/8	\$ 35.95
<b>Standard Configuration</b>						
1B	Pyrex Cup	PYR8L	PYR8L	PYR8L	PYR8L	\$ 19.95
2	Tungsten Adapter	PYR040TA	PYR116TA	PYR332TA	PYR18TA	\$ 4.83
3B	Collet Body	PYR17LCB	PYR17LCB	PYR17LCB	PYR17LCB	\$ 4.69
4B	Wedge Collet	PYR17LC040	PYR17LC116	PYR17LC332	PYR17LC18	\$ 3.06
5A	Heat Shield	3HSGS	3HSGS	3HSGS	3HSGS	\$ 6.25
	Complete Kit	PYREX17-040	PYREX17-1/16	PYREX17-3/32	PYREX17-1/8	\$ 38.95



# Pyrex Cup Kits



## Pyrex Cup Kits

**Stay neat and organized with our Pyrex Cup Kits.** Each kit includes a handy, compartmentalized box with part numbers and diameters. This kit includes all the necessary components to allow you to use your Pyrex cup with the following tungsten diameters: .040", 1/16", 3/32" and 1/8". Each kit includes: Heat Shield, Wedge Collet, Collet Body, Tungsten Adapter, and Pyrex Cup. Wedge Collet and Tungsten Adapter come in .040", 1/16", 3/32" and 1/8" sizes.

**Pyrex Cup Kit for 9 & 20 Series Torches** # PYREX20KIT  
List \$74.00 | **Sale \$54.95**

**Short Pyrex Cup Kit f/17, 18, & 26 Series Torches**  
# PYREX17SKIT  
List \$80.00 | **Sale \$60.95**

**Standard Pyrex Cup Kit for 17, 18, & 26 Series Torches**  
#PYREX17LKIT  
List \$80.00 | **Sale \$60.95**



SCAN to see more information about our FUPA & BBW Cup Kits.

## FUPA 12C, FUPA 12 & BBW 16 Cup Kits

Essential tools for serious fabricators, the large diameter **FUPA 12C** Flared Ceramic Cup Kit, **FUPA 12** Flared Pyrex Cup Kit, and **BBW 16** Flared Pyrex Cup Kit offer superb gas coverage - a necessity when making critical welds on exotic materials including Titanium, Chrome Moly, and Stainless Steel. All three cup kits fit 9, 17, and 26 Series air-cooled torches, as well as 18 and 20 Series water-cooled torches. While all three kits fit on a standard 45V44 gas lens collet body, please use one of the included o-rings when using either the **FUPA 12** or **BBW 16** cup (the **FUPA 12C** cup does not require the use of an o-ring).

**If you own a 9 or 20 Series torch,** please order part # **FUPA 12C, FUPA 12 20C KIT, FUPA 12, FUPA 12 20 KIT, BBW 16, or BBW 16 20 KIT.**

**If you own a 17, 18, or 26 Series torch,** please order part# **FUPA 12 17C KIT, FUPA 12 17 KIT, or BBW 16 17 KIT.**

**If you already own part# FUPA 12 17C KIT, FUPA 12 17 KIT, or BBW 16 17 KIT,** and only require replacement cups and diffusers, **you may purchase part# FUPA 12C, FUPA 12, or BBW 16.**

### FUPA 12C Cup Kits

FUPA 12C	Flared Ceramic Cup Kit	<b>\$39.95</b>
FUPA 12 20C KIT	Kit f/9 & 20 Series Torches	<b>\$45.95</b>
FUPA 12 17C KIT	Kit f/17, 18, & 26 Series Torches	<b>\$59.95</b>

### FUPA 12 Cup Kits

FUPA 12	Flared Pyrex Cup Kit	<b>\$54.95</b>
FUPA 12 20 KIT	Kit f/9 & 20 Series Torches	<b>\$60.95</b>
FUPA 12 17 KIT	Kit f/17, 18, & 26 Series Torches	<b>\$74.95</b>

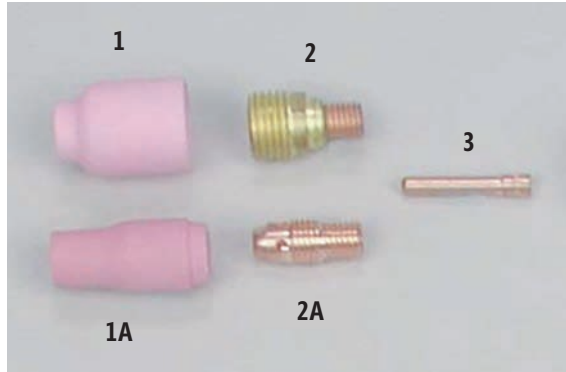
### BBW 16 Cup Kits

BBW 16	Flared Pyrex Cup Kit	<b>\$80.00</b>
BBW 16 20 KIT	Kit f/9 & 20 Series Torches	<b>\$105.00</b>
BBW 16 17 KIT	Kit f/17, 18, & 26 Series Torches	<b>\$110.00</b>



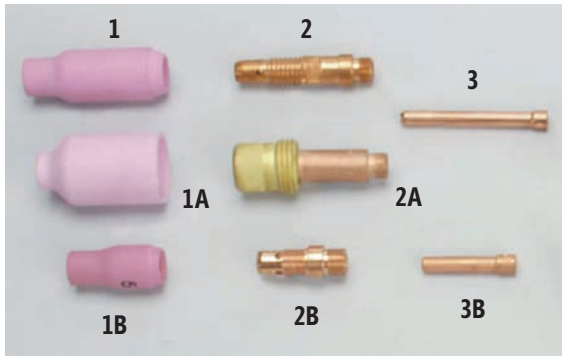
# TIG Torch Parts

## Parts for 9 Series Air Cooled and 20 Series Water Cooled TIG Torches



Illus #	Description	Tungsten Diameter				Price
		0.040"	1/16"	3/32"	1/8"	
<i>Gas Lens Configuration (optional)</i>		#5 cup	#6 cup	#7 cup	#8 cup	
1	Alumina Nozzle (Pkg 10)	53N59	53N60	53N61	53N61S	<b>\$7.50</b>
2	Gas Lens Collet Body (Ea.)	45V42	45V43	45V44	45V45	<b>\$2.50</b>
3	Collet (Pkg 5)	13N21	13N22	13N23	13N24	<b>\$3.00</b>
<i>Standard Configuration</i>		#4 cup	#5 cup	#6 cup	#7 cup	
1A	Alumina Nozzle (Pkg 10)	13N08	13N09	13N10	13N11	<b>\$6.00</b>
2A	Collet Body (Pkg 5)	13N26	13N27	13N28	13N29	<b>\$4.50</b>
3	Collet (Pkg 5)	13N21	13N22	13N23	13N24	<b>\$3.00</b>

## Parts for 17 & 26 Series Air Cooled and 18 Series Water Cooled TIG Torches



Illus #	Description	Tungsten Diameter				Price
		0.040"	1/16"	3/32"	1/8"	
<i>Standard Configuration</i>		#5 cup	#6 cup	#7 cup	#8 cup	
1	Alumina Nozzle (Pkg 10)	10N49	10N48	10N47	10N46	<b>\$7.90</b>
2	Collet Body (Pkg 5)	10N30	10N31	10N32	10N28	<b>\$5.00</b>
3	Collet (Pkg 5)	10N22	10N23	10N24	10N25	<b>\$2.75</b>
<i>Gas Lens Configuration (optional)</i>		#5 cup	#6 cup	#7 cup	#8 cup	
1A	Alumina Nozzle (Pkg 10)	54N17	54N16	54N15	54N14	<b>\$9.98</b>
2A	Gas Lens Collet Body (Ea.)	45V24	45V25	45V26	45V27	<b>\$3.00</b>
3	Collet (Pkg 5)	10N22	10N23	10N24	10N25	<b>\$2.75</b>
<i>Short Configuration</i>		#4 cup	#5 cup	#6 cup	#7 cup	
1B	Alumina Nozzle (Pkg 10)	13N08	13N09	13N10	13N11	<b>\$6.00</b>
2B	Collet Body (Ea.)	4CB040	4CB116	4CB332	4CB418	<b>\$3.95</b>
3B	Collet (Ea.)	10N22S	10N23S	10N24S	10N25S	<b>\$2.00</b>



### TIG Parts Kits

These handy parts kits include everything you need for those critical welding jobs. And the compartmentalized box is a great way to keep those parts organized, easy to find, and easy to re-order. Each kit includes one short Back Cap and one of each of the following: 2% Ceriated Tungsten, 1.5% Lanthanated Tungsten, Collet, Collet Body and Alumina Cup in each of the following diameters: .040", 1/16", 3/32" and 1/8".

#### TIG Parts Kit for 9 & 20 Series Torches # SR-911

List \$79.95 | **Sale \$39.95**

#### TIG Parts Kit for 17, 18 & 26 Series Torches # SR-1711

List \$79.95 | **Sale \$39.95**

### Gas Lens Kits

If you're looking for better shield gas coverage patterns, then our Gas Lens Kit is for you. With better shielding gas patterns the welder can extend the electrode beyond the edge of the gas cup for getting into tight spaces or corners. The kit comes in our compartmentalized plastic box and contains Alumina Cups, Gas Lenses, and Collets in the following sizes: .040", 1/16", 3/32", and 1/8".

Gas Lens Kit for 9 & 20 Series Torches SR-911GLC **\$41.95**

Gas Lens Kit for 17, 18 & 26 Series Torches SR-1711GLC **\$41.95**





# TIG Torches

Nothing makes TIG welding easier than a high quality TIG torch with a nice flexible cable – that’s why HTP offers replacement TIG welding torches for just about all brands of TIG welders – so you can get better results easier. All HTP air-cooled TIG torches feature one piece cable designs, constructed from an extremely flexible, silicon rubber hose with a braided nylon weave overlay. These cables even stay flexible in cold weather. This design puts much less strain on your wrist, and makes the torch feel lighter.



HTP water-cooled torches are made from the same silicon rubber hoses, and the braided nylon weave is color coded – blue is the water supply, red is the power cable return, and black is the gas hose. A nylon TIG torch cover comes standard on all water-cooled TIG torches. This flexible outer cover protects the cables and keeps them neat and bundled together.

**No more wire ties!**

*All of our TIG torches are made in the USA by CK Worldwide.*



## TIG Torch Selector Chart

Torch Type	Amperage	Cooling	Flex Option	Swivel Head Option	Replacement Parts Type	Head Length with Short Back Cap
9 Series	125 amps @ 100%	Air	Yes	Yes	13N	2 <sup>7</sup> / <sub>16</sub> "
17 Series	150 amps @ 100%	Air	Yes	Yes	10N	3 <sup>5</sup> / <sub>8</sub> "
18 Series	350 amps @ 100%	Water	Yes	No	10N	3 <sup>5</sup> / <sub>8</sub> "
20 Series	250 amps @ 100%	Water	Yes	Yes	13N	2 <sup>7</sup> / <sub>16</sub> "
24 Series	90 amps @ 100%	Air	Yes	No	53N	1 <sup>7</sup> / <sub>32</sub> "
24W Series	180 amps @ 100%	Water	No	No	53N	1 <sup>7</sup> / <sub>32</sub> "
26 Series	200 amps @ 100%	Air	Yes	No	10N	3 <sup>5</sup> / <sub>8</sub> "
Micro Torch	140 amps @ 100%	Water	No	No	Micro	<sup>7</sup> / <sub>8</sub> "

**The right TIG torch makes your welder more versatile.**

Think of it like a set of wrenches – you have open end, box end, sockets and so on. They all turn nuts, but there are applications where one wrench is better for a particular application than another. Well, the same is true of TIG torches. That’s why HTP offers standard torches, flex head torches, swivel head torches, micro torches, 9, 17, 20, 24, and 26 series torches. Just like wrenches, different torches work better in different applications. And HTP builds your torch as a “Direct Connect”, making it easy to change from one torch to another.

**To get the TIG torch, or a quote, that is right for your machine and application, call us at 800-USA-WELD (800-872-9353).**

# TIG Torches

We also carry 9 Series air-cooled and 20 Series water-cooled torches for the TIG welding machines listed below. We offer most of our TIG torches in 12' or 25' lengths and with standard neck, flex neck, or swivel head options as well. This is not a complete list of the torches we sell; if you do not see your TIG welding machine make/model listed, please visit our website at [www.usaweld.com](http://www.usaweld.com) or give us a call at **800-872-9353** to discuss your options, along with current prices and availability.

## 17 Series Air-Cooled Torches

Make/Model	Part#	Description	Price
AHP 2013 & 2014 AlphaTIG 200X	1712-ND-M16	No Dinse (3/8"-24 male thread), M16 gas, 12'	<b>\$99.95</b>
AHP 2015-2018 AlphaTIG 200X	1712-35D-QD	35 Dinse (1/2"), 9mm quick connect gas, 12'	<b>\$154.95</b>
Eastwood TIG 200 AC/DC & TIG 200DC	1712-ND-M16	No Dinse (3/8"-24 male thread), M16 gas, 12'	<b>\$99.95</b>
ESAB® Rebel™ EMP 215ic & Fabricator 141i	1712V-35D-58	35 Dinse (1/2"), 5/8"-18 gas (valve in handle), 12'	<b>\$138.95</b>
ESAB® Rebel™ EMP 235ic	1712-35D-58RBL	35 Dinse (1/2"), 5/8"-18 gas, 12'	<b>\$114.95</b>
Everlast PowerArc 160STH & SuperUltra 206Si	1712-25D-QD	25 Dinse (3/8"), 9mm quick connect gas, 12'	<b>\$133.95</b>
Everlast PowerArc 280STH, Power i-TIG 200, PowerPro 164, 205S, & 256S, PowerTIG 200DV, 200DX, 210EXT, 225LX, 250EX, 255EXT, 315LX, & 325EXT	1712-35D-QD	35 Dinse (1/2"), 9mm quick connect gas, 12'	<b>\$154.95</b>
Harbor Freight® Vulcan ProTIG™ 165	1712FT-25D	25 Dinse (3/8"), flow thru gas, 12'	<b>\$83.95</b>
Harbor Freight® Vulcan ProTIG™ 220	1712FT-35D	35 Dinse (1/2"), flow thru gas, 25'	<b>\$93.95</b>
Harbor Freight® Vulcan OmniPro™ 220	1712V-35D-58	35 Dinse (1/2"), 5/8"-18 gas (valve in handle), 12'	<b>\$138.95</b>
Hobart® EZ-TIG 165i	1712-ND-DIV	Diversion direct connect, flow thru gas, 12'	<b>\$99.95</b>
Hobart® 150 STi	1712FT-25D	25 Dinse (3/8"), flow thru gas, 12'	<b>\$83.95</b>
Hobart® TIGMATE™	1712FT-35D	35 Dinse (1/2"), flow thru gas, 12'	<b>\$93.95</b>
Lincoln® PRECISION TIG® 185 & 225, Square Wave™ 175, 200, & 275, Invertec® V160-T, V200-T, V205-T, & V311-T	1712FT-35D	35 Dinse (1/2"), flow thru gas, 12'	<b>\$93.95</b>
Lincoln® POWER MIG® 210 MP & SPEEDTEC® 200C	1712V-35D-58	35 Dinse (1/2"), 5/8"-18 gas (valve in handle), 12'	<b>\$138.95</b>
Longevity® TIGWELD® 200EX	1712-35D-58	35 Dinse (1/2"), 5/8"-18 gas, 12'	<b>\$113.95</b>
Longevity® TIGWELD® 160SX, 200SX, 200D, MicroTIG 200 Digital, & Weldpro LS-160P	1712-ND-M16	No Dinse (3/8"-24 male thread), M16 gas, 12'	<b>\$99.95</b>
Longevity® TIGWELD® 200DX & 250EX, 315 AC/DC, & WeldAll 200PI	1712-35D-QD	35 Dinse (1/2"), 9mm quick connect gas, 12'	<b>\$154.95</b>
Miller® CST™ 250 & 280, Maxstar® 140 & 150S, Thunderbolt®, & XMT® 304 CC/CV	1712V-35D-58	35 Dinse (1/2"), 5/8"-18 gas (valve in handle), 12'	<b>\$138.95</b>
Miller® Diversion™ 165 & 180	1712-ND-DIV	Diversion direct connect, flow thru gas, 12'	<b>\$99.95</b>
Miller® Dynasty® 200 DX, 280 DX, 300 Series, & 350, Maxstar® 152, 200, 300 Series, & 350	1712-35D-58	35 Dinse (1/2"), 5/8"-18 gas, 12'	<b>\$113.95</b>
Miller® Maxstar® 150, 150 STL, & 150 STH	1712FT-25D	25 Dinse (3/8"), flow thru gas, 12'	<b>\$83.95</b>
Miller® Syncrowave® 180 SD, 200, & 210	1712FT-35D	35 Dinse (1/2"), flow thru gas, 12'	<b>\$93.95</b>
Thermal Arc® 130GTS, 150GTS, 190GTS, & P-Wee® 160TS	1712-25D-58	25 Dinse (3/8"), 5/8"-18 gas, 12'	<b>\$113.95</b>
Thermal Arc® 161STL, ArcMaster® 141 & 185, Fabricator® 186 & 252i, LM200, & PRO-WAVE® 300 TSW	1712-35D-58	35 Dinse (1/2"), 5/8"-18 gas, 12'	<b>\$113.95</b>
Thermal Arc® Fabricator® 141i	1712V-25D-58	25 Dinse (3/8"), 5/8"-18 gas (valve in handle), 12'	<b>\$138.95</b>
Thermal Arc® Fabricator® 211i	1712V-35D-58	35 Dinse (1/2"), 5/8"-18 gas (valve in handle), 12'	<b>\$138.95</b>

To purchase a 9 Series torch, change the 17 to a 9 (e.g., 1712FT-35D becomes 912FT-35D, and the price remains the same);  
to order a 25' torch, change the 12 to a 25 and add \$25 (e.g., 1712FT-35D becomes 1725FT-35D);  
to order a flex neck torch, add FX and \$25 (e.g., 1712FT-35D becomes 1712FTFX-35D);  
and to order a swivel head torch, add SH and \$120 (e.g., 1712FT-35D becomes SH1712FT-35D).



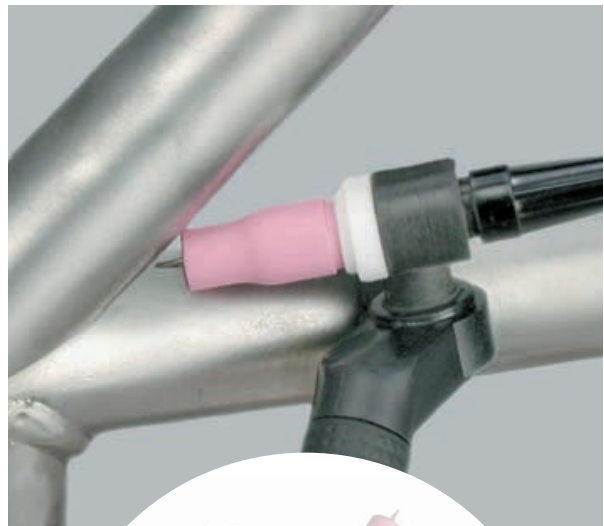
All TIG Torches are made in the USA.



# TIG Accessories

## HTP Swivel Head TIG Torch

Our swivel head torch is designed specifically for those tough tubing fabrication applications where it is virtually impossible to weld with a conventional torch. The head can be quickly swiveled and locked in any position within a 360° rotation. With it, you'll easily be able to reach tight corners, joints, recesses, and other previously unreachable spots. Anyone working on experimental aircraft frames, drag racing chassis, or basically any application that requires welding a tube frame will find this special TIG torch not just useful, but an absolute necessity.



Available for all brands of TIG welders. Call us today, at 800-872-9353, for more information.



## Flex Neck TIG Torch Head

**Need to change the angle of your TIG torch to get into that tight area?** Trouble is, with a standard TIG torch you can't. Well, HTP has the answer: our Flex Neck TIG Torch. This unique torch lets you bend the end of your TIG torch into virtually any position, allowing you quick, easy access to practically any tight, cramped, or out-of-the-way spot. Imagine how much easier your welding will be! **HTP has a head available to fit all 9, 17, 20 and 26 series torches, no matter what brand of TIG welder you have.** Also, any HTP TIG Welder can be upgraded to this torch when ordered. Don't waste time, place your order today.

CK9F	\$44.95	CK20F	\$64.95
CK17F	\$47.95	CK26F	\$54.95

## HTP TIG DVD #99000T \$35.90

HTP is proud to bring you our DVD, *Welcome to the World of TIG Welding*.

This informative 70-minute DVD brings you up to speed on TIG welding. If you are thinking about purchasing a TIG welder, the money spent on this DVD may very well save you hundreds of dollars by helping you select the correct machine for your application. If you already have a TIG welder, the DVD gives you a through the helmet view of TIG welding. For a more detailed description of the DVD, please go to our website at [www.USAWeld.com](http://www.USAWeld.com), or call us at 800-872-9353.



## Foot Pedals

Part#	Description	Price
M043554	Equivalent to Miller® RFCS-14 (P/N 043 554) & Miller® RFCS-14HD (P/N 194 744), Hobart® RFCS-14 (P/N 043 554-01-1), and Longevity 200SX; 25'.	<b>\$159.00</b>
70200-FP-12	Fits HTP Invertig 200/201 & 160DC; 12'.	<b>\$139.95</b>
70200-FP-25	Fits HTP Invertig 200/201 & 160DC; 25'.	<b>\$169.95</b>
70200TLP-FP-12	Fits HTP Inverarc 200 TLP; 12'.	<b>\$159.95</b>
70200TLP-FP-25	Fits HTP Inverarc 200 TLP; 25'.	<b>\$189.95</b>
70221-FP-12.5	Fits HTP Invertig 221/221DV; 12.5'.	<b>\$139.95</b>
70221-FP-25	Fits HTP Invertig 221/221DV; 25'.	<b>\$169.95</b>
C850-0815X	Fits ESAB® Rebel™ EMP 215ic & EMP 235ic; 15'.	<b>\$169.00</b>
C850-0825	Fits the following Thermal Arc® TIG welders: 130GTS, 150GTS, 160TS, 161S, 161STL, 180TSW, 190GTS, 200GTS, ArcMaster® 185, Fabricator® 181, Fabricator® 181i, Fabricator® 211i, and Fabricator® 252i; 25'.	<b>\$159.00</b>
C910-0525	Fits 2014 AHP TIG welders using a 5-pin connector; 25'.	<b>\$154.95</b>
C910-0725	Fits 2015 & 2016 AHP TIG welders using a 7-pin connector; 25'.	<b>\$154.95</b>
C910-0925	Fits the following Harbor Freight® TIG welders: Vulcan ProTIG™ 165, Vulcan ProTIG™ 200, & Vulcan OmniPro™ 220; 25'.	<b>\$154.95</b>
C930-0515	Fits Razorweld™ Digital Arc 200 AC/DC TIG welder; 15'.	<b>\$162.95</b>
CHAFP-23-7	Fits Everlast TIG welders using a 7-pin connector and a 23K ohm potentiometer; 25'.	<b>\$154.95</b>
CHAFP-47-7	Fits Everlast TIG welders using a 7-pin connector and a 47K ohm potentiometer; 25'.	<b>\$154.95</b>
LINFP126	Equivalent to Lincoln® K870 & K813 foot pedal amptrols; 12.5'.	<b>\$159.95</b>
LINFP256	Equivalent to Lincoln® K870 & K813 foot pedal amptrols; 25'.	<b>\$177.95</b>
MILFP-6M-25	Equivalent to Miller® RFCS-6M (Miller® P/N 195 183 & 195 504); 25'.	<b>\$159.00</b>
MILFP-RJ45-14	Equivalent to Miller® RFCS-RF45 (Miller® P/N 300 432) & Hobart® RFCS-RJ45 (Hobart® P/N 245589); 25'.	<b>\$159.00</b>

## Hand Controls

Part#	Description	Price
AMTCV70130DCHF	25' slider hand control; fits HTP Invertig 130 DCL, 130 DC/HF, & 131 DC/HF.	<b>\$185.00</b>
K963-3-6ROTARY	25' rotary hand control w/6-pin plug; equivalent to Lincoln® K963-3.	<b>\$185.00</b>
K963-3-6SLIDER	25' slider hand control w/6-pin plug; equivalent to Lincoln® K963-3.	<b>\$185.00</b>
AMTCV-5-2-TD8	25' slider hand control w/8-pin plug; fits the following Thermal Arc® TIG welders: 130GTS, 150GTS, 160TS, 161S, 161STL, 180TSW, 190GTS, 200GTS, ArcMaster® 185, Fabricator 181, Fabricator 181i, Fabricator 211i, and Fabricator 252i.	<b>\$195.00</b>
RACCV70130DCHF	25' rotary hand control; fits HTP Invertig 130 DCL, 130 DC/HF, & 131 DC/HF.	<b>\$185.00</b>
RHCS25-5-TD8	25' rotary hand control w/8-pin plug; fits the following Thermal Arc® TIG welders: 130GTS, 150GTS, 160TS, 161S, 161STL, 180TSW, 190GTS, 200GTS, ArcMaster® 185, Fabricator® 181, Fabricator® 181i, Fabricator® 211i, and Fabricator® 252i.	<b>\$195.00</b>
ROTARY-M14-25	25' rotary hand control w/14-pin plug; fits most modern Miller® TIG welders.	<b>\$185.00</b>
ROTARY70200TLP	25' rotary hand control; fits HTP Inverarc 200 TLP.	<b>\$195.95</b>
ROTARYAHP2015	25' rotary hand control w/7-pin plug; fits the 2015 & 2016 AHP ALPHA TIG 200X.	<b>\$185.00</b>
ROTARYHC201	25' rotary hand control; fits HTP Invertig 160DC, 200, & 201.	<b>\$185.00</b>
ROTARYHC221	25' rotary hand control; fits HTP Invertig 221/221DV.	<b>\$185.00</b>
ROTARYHC221-12	12.5' rotary hand control; fits HTP Invertig 221/221DV.	<b>\$174.95</b>
SLIDER70200TLP	25' slider hand control; fits HTP Inverarc 200 TLP.	<b>\$195.95</b>
SLIDERAHP2015	25' slider hand control; fits the 2015 & 2016 AHP ALPHA TIG 200X.	<b>\$185.00</b>
SLIDERHC201	25' slider hand control; fits HTP Invertig 160DC, 200, & 201.	<b>\$185.00</b>
SLIDERHC221	25' slider hand control; fits HTP Invertig 221/221DV.	<b>\$185.00</b>
SLIDERHC221-12	12.5' slider hand control; fits HTP Invertig 221/221DV.	<b>\$174.95</b>
STDYGRPHC221	28' Steady Grip hand control; fits HTP Invertig 221/221DV.	<b>\$272.96</b>
STDYGRPHCL6	28' Steady Grip hand control w/6-pin plug; fits Lincoln® TIG welders that use K963-3 foot control.	<b>\$272.96</b>
STDYGRPHCM14	28' Steady Grip hand control w/14-pin plug; fits most modern Miller® TIG welders.	<b>\$272.96</b>

## Arc-Start/Momentary Switches

Part#	Description	Price
187208	Fits most modern Miller® TIG welders; 25' w/14-pin plug.	<b>\$73.95</b>
ARCSTART221	Fits HTP Invertig 221/221DV; 12.5'.	<b>\$72.30</b>
ARCSTART221-25	Fits HTP Invertig 221/221DV; 25'.	<b>\$84.02</b>
K814-HTP	Fits Lincoln® TIG welders that use K963-3 foot control; 25' w/6-pin plug.	<b>\$75.00</b>
RCTD25-8	Fits the following Thermal Arc® TIG welders: 130GTS, 150GTS, 160TS, 161S, 161STL, 180TSW, 190GTS, 200GTS, ArcMaster® 185, Fabricator® 181, Fabricator® 181i, Fabricator® 211i, and Fabricator® 252i; 25' w/8-pin plug.	<b>\$84.00</b>



All Remote Controls are made in the USA.



To see more TIG welding accessories, visit our online welding shop anytime at [www.USAWeld.com](http://www.USAWeld.com)



For protective covers for your HTP TIG machine, please turn to page 36.

**HTP Algae Eliminator #DF928-04 \$8.96**

This exciting product helps protect your closed water cooling system from algae buildup while at the same time, lubricating the system pump and keep it operating smoothly and more effectively. The result is a cleaner, better operating cooling system. One bottle treats three gallons.



**HTP Coolant #COOLANT-30 \$39.00**

If your welding applications are subject to freezing temperatures, you'd better put Coolant, Anti-Freeze and Pump Lubricant at the top of your shopping list. This proven performer is a quick, cost-effective way to protect your equipment's water cooler or other closed-loop cooling system from freezing temperatures all the way down to -30° F. The benefits don't stop there. HTP Coolant helps reduce water evaporation, saving time because less fill maintenance is required. It also lubricates pumps, helping prevent premature pump wear, and it's plasma compatible because it doesn't conduct electricity. Available in one-gallon containers. *Please note, the HTP water cooler has a two gallon reservoir.*

**Welding Jacket \$24.95**

**Welding safety is a top priority so wearing the proper protective garments is a must!** Our traditional green welding jackets are available in sizes from Small to XXXX-Large and measure a full 30 inches in length, from the base of the collar to the bottom hem, for complete coverage.

Constructed from durable, flame-resistant, 9 oz. 100% cotton sateen, our welding jackets feature a rugged 5-snap front closure, adjustable cuffs, a generous 6.5" x 7" internal pocket, and a convenient sleeve pocket for scribes, markers, or small tools.

More comfortable than leather, our lightweight welding jacket will keep you both cool and safe! You will quickly agree that our line of welding jackets provides the ultimate in comfort and protection.

Machine-wash and dry, or can be dry-cleaned.

**TIG Torch Holder #90190 TIG \$17.95**

**Keep your work station organized!** This handy magnetic based TIG torch holder is an easy way to keep your TIG torch close at hand, but not in the way. Did you ever lay your TIG torch on the welding table, only to have it fall off and break the cup? The TIG torch holder is the solution! You can easily keep your torch close, and your fabrication area in order, with the HTP TIG torch holder.



**TIG Welding Gloves**

**Getting the perfect weld isn't just about the right equipment, it's about you, too.** Any welding job is easier and the finished result is better when you are comfortable and have the correct "feel". That's where HTP's premium quality deerskin welding gloves come in. They're soft and supple, giving you a superior level of control and making it easier for you to work the filler rod, and there is no seam on the left pointer finger and thumb. Get outstanding results . . . get a pair, or two, today! Available in Large and Extra Large.

- #25BL Large TIG Gloves **\$14.95**
- #25BXL XL TIG Gloves **\$14.95**



# MIG 2400

#602400-24/ST

\$1749.00



We developed the MIG 2400 for the fabricators out there who want a powerful, dependable welder that won't let them down. We also designed it for the farmers who need a rugged unit for heavy fabrication, implement modification, and serious repair work. We made sure to include the exact features everyone needs, at a price anyone can afford!

HTP's MIG 2400 features a four roller, geared wire feed system that delivers a smooth, consistent wire feed! The 2400 also features spot and stitch welding modes, and the ability to digitally display either the welding amperage or the welding voltage, which lets you precisely adjust your welder for any welding job.

We didn't stop there. The MIG 2400 also features heavy-duty rotary contact switches that let you adjust the copper wound transformer to any of its 24 different heat settings. A spot weld timer ensures consistent tack welds. A powder coated, 16 gauge steel cabinet is solidly

welded together and comes standard with wheels and an undercarriage, allowing you to easily roll the machine anywhere in your shop. A 10' HTP 24-Series welding gun is standard and can be upgraded to a 12' or 15'. To save time, you can reverse the polarity without any tools for quick changeover to flux-cored wires.

Since we are so sure you will like our 2400, we will let you take it for a 90-day test weld in your shop, and we back the machine with a 3-year warranty.

The MIG 2400 is shipped for free, by truck, anywhere in the Continental United States. For free shipping, the welder needs to ship to a commercial address, a business, or we can find a truck terminal in your area where you can pick-up your shipment. We are happy to ship these items to a residence; however there will be an additional charge for residential deliveries, and someone needs to be home to unload the items from the truck. Please call or email us at **800-872-9353** or [sales@htpweld.com](mailto:sales@htpweld.com) to discuss any shipping questions. Additional charges will apply for Hawaii, Alaska, Puerto Rico and international locations. We are happy to ship the MIG 2400 to any location, however there might be additional charges.

 Made in Hungary.

Please visit our website to check out our MIG 160 and MIG 200.

MIG 2400	
Maximum Output Amperage	240
Minimum Output Amperage	20
Maximum Recommended Thickness	3/8" to 1/2"
Heat Settings	24
Duty Cycle	35% @ 240 amps 100% @ 142 amps
Open Circuit Voltage	18 to 38.5
Circuit Breaker Protection	Yes
Cooling	Dual Fan Forced Air
Wire Size	.023" to .045"
Input Voltage	220V
Input Amperage	40
Wire Feed Rate (in./min.)	7 to 625
Size (w/wheels)	
Length	33"
Width	13"
Height	27"
Shipping Weight	235 lbs.

## MIG 200i

#60200i

**\$1099.00**

Introducing another new addition to our inverter MIG welding machine lineup—the HTP MIG 200i. The MIG 200i features an incredible arc dynamic, which makes the MIG 200i suitable for any kind of wire and for any material thickness from 26 gauge up to ¼"! With the MIG 200i, you can weld in



manual mode or in synergic mode with Easy Set™ technology. The Easy Set feature makes set up a breeze by automatically setting your welder, in a couple of simple steps, to the correct parameters; to weld in synergic mode, simply press the Easy Set button to select the appropriate wire diameter and then use the Wire Speed knob to select your material thickness. A simple polarity reversal allows you to weld with gas (solid wire) or without gas (flux-cored wire). The MIG 200i also features manual wire feed, manual gas purge, start speed adjustment, as well as sophisticated, electronic overheat protection to prevent damage to your machine.

When you purchase a MIG 200i, the package includes the power source, a 10' 15 Series MIG welding gun, a 10' ground cable and clamp assembly, a flowmeter, and a 6' gas hose. A lightweight and compact design makes the MIG 200i extremely portable and an excellent choice for work on the jobsite and in the shop. We back the MIG 200i with a 90-day satisfaction guarantee and a 3-year warranty.

 *Made in Italy.*

*SCAN to see more information about our MIG 200i.*



## MIG 130

#60130

**\$449.00**



**The HTP MIG 130 is an affordable MIG welding package for the do-it-yourselfer.** The welder operates on 110 volts, and gives you the ability to weld anything from thin sheet metal up 3/16" steel. The machine features 4 heat settings, an infinite wire feed adjustment, 7' welding gun, 5' ground cable, and 6 ½' input power cord.

The versatile welder uses both 8" and 4" diameter spools of wire. It comes ready to weld with extra tips, and a roll of .035" flux cored gasless wire. Just add a regulator, a tank of 75% argon, 25% CO2 shielding gas, and some hard wire, and you can MIG weld with gas.

HTP backs this machine with a 90-day money-back guarantee and a 3-year warranty. That's right, try this welder in your garage for 90 days, and if you don't like the way it welds, we will take it back. We also include free shipping anywhere in the Continental United States.

**So if you are looking for an affordable welder at a great price, from a company that has been in the welding business since 1981 and offers exceptional customer service, look no further, as the HTP MIG 130 is the machine for you.**

 *Made in Italy.*

To weld with gas, you will need:  
#12020-F **Flowmeter** \$35.00  
#22910012K **Gas Connector Adapter** \$9.95

*Make your MIG 130 more portable, turn to page 36 to see our new universal welding cart.*



# HTP Spool Guns

*When extra length is required for those special jobs.*

The HTP RSG250 Spool Gun is the perfect solution when you need some extra distance between you and the welding machine. This state-of-the-art gun, available in 25' and 50' lengths, is ideally suited for applications ranging from farm machinery and semi-trailer repair to construction site jobs or any other application where the power source can't be brought to the work.

This advanced HTP gun is also an excellent solution for welding aluminum. The distance from the drive rollers to the contact tip is only 8", so feeding problems and bird's nesting are virtually eliminated.

The RSG250's unique contact tip is notched, so burn backs can be easily removed. What's more, the tip is also offset for maximum electrical current transfer, resulting in a smoother, more stable arc.

A remote wire feed adjustment in the RSG250's handle is a real time-saver. It eliminates the time-consuming walk all the way back to the welder to fine-tune your wire feed rate.

The RSG250 includes a control box and can be installed on virtually any brand of MIG welder.

Have an engine driven arc welder with a CV setting and want to MIG weld aluminum in the field? Then the HTP RSG250-C is your answer. The control box has a contactor and can be installed on any engine drive with a CV setting.

The RSG250-HTP fits our MIG 140, 160, 160DV, 200 and 240. This unit is easily wired into HTP welders and does not require a control box. The RSG250-2400 offers the same advantages, but is designed for the MIG 2400.

50' guns available by special order.  *Made in the USA*

## 25' Spool Guns

RSG250	Fits All Welders	<b>\$1149.00</b>
RSG250-C	Fits CV Engine Drive Welders	<b>\$1199.00</b>
RSG250-MIL10	Fits 10 Pin MIG Welder	<b>\$829.00</b>
RSG250-MIL14	Fits Miller Welders	<b>\$1149.00</b>
RSG250-LIN14	Fits Lincoln Welders	<b>\$1149.00</b>



Specifications	RSG250	RSG200
Amperage	60% @ 250 amps	60% @ 150 amps
Weight (gun only)	2 ¾ lbs.	2 lbs.
Weight (gun & cable)	14 lbs.	12.6 lbs.
Length	25 ft.	20 ft.
Wire Feed Rate	50-650 inches/min	20-410 inches/min
Wire Size	.023", .030", .035", .045" *	
Wire Type	Steel, Stainless, Flux Cored, & Aluminum	
Spool Size	Standard 4" Spools	

*\*RSG 200 does not use .045" wire*



*Wire Feed adjustment in handle*

*Notched contact tip*

## RSG200

**RSG200-MIL** *Fits Miller Welders*

**Price \$415.00**

**Price \$449.95**

**The RSG 200 is an economical alternative to the HTP RSG250.**

The RSG200 works with all HTP welders with quick connect welding guns. The wire feed adjustment is on the front of the welder. The RSG 200 handles .023", .030" and .035" wires, and with a 60% @ 150 amp duty cycle, the RSG 200 will make your aluminum projects easier and eliminate wire feed problems.



To see more MIG Welding Accessories,  
visit our online welding shop anytime at  
[www.USAWeld.com](http://www.USAWeld.com)

### Spool Adapter – SA-1-4

List Price \$35.53 | **Sale \$25.93**

**This HTP spool adapter is a breakthrough in convenience and economy.** In fact, it could pay for itself in wire savings the first time you use it! The adapter's unique design allows you to use 4" diameter spools on virtually any MIG welder. That means you can now use 4" diameter spools where you could only use 8" and 12" spools before. The HTP spool adapter fits standard 2" diameter wire drive brake assemblies found on all popular welders.



### HTP Shrinking Attachment

#15003 List \$19.95 | **Sale \$17.95**

**A must for bodywork, this incredible accessory screws into your swan neck.** Use this tool to relieve stresses in dented automotive panels after shaping and dolly hammer work. This clean, safe electric heat, alternated with cooling of the panel, will bring the molecules of steel back into shape as before the damage occurred. Pays for itself in just one small job. Other brand welders can be fitted, too. Call our free hotline, 1-800-USA-WELD now. We'll let you know if your MIG can accept this great tool.



**Nozzle Reamer #12025** List \$19.95 | **Sale \$14.95**

**The only tool specially designed to clean build-up and slag from inside the welding nozzle.** Scraping blades expand inside the nozzle and remove build-up. Frequent use can help extend the life of your nozzles.



**MIG Gun Holder #90190 MIG** \$17.95

**Keep your work station organized!** This handy magnetic based MIG gun holder is an easy way to keep your MIG gun close at hand, but not in the way. This uniquely designed MIG gun holder stays firmly in place on your welding table, keeping your welding gun close and your fabrication area in order.



**Wire Cleaner #12026**

List \$3.95 | **Sale \$1.95**

**This handy gadget clamps onto your wire and cleans the wire before it enters the gun.** Increases liner life, prevents bird's nesting, keeps welds clean.



### HTP Leather Welding Gloves

**Natural leather is the best protection against heat, sparks, and spatter.**

HTP's Leather Gloves are strong, comfortable, and extra long to protect wrists.  
#12550 **\$13.95**



**HTP America Now Offers Premium Goatskin MIG Welding Gloves made by IRONCAT.** IRONCAT's MIG welding gloves, made from split goat leather and reinforced with split cowhide (palm, index finger, and thumb), provide the ultimate in comfort, durability, protection, and strength. These MIG welding gloves feature an 8" cuff with elastic wrist for a protective, snug fit, pre-curved fingers and a keystone thumb for a comfortable, natural feel, Kevlar thread for strength and durability, and IRONCAT's very own Climax™ Aero Gel. Pick up a pair or two today!

**Large #9072L \$30.95 | Extra Large #9072XL \$30.95**

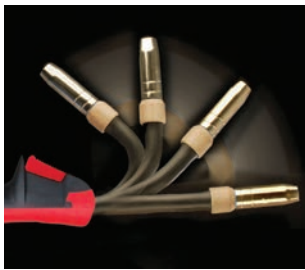


### HTP Metal Marker - MM1295W

List Price \$5.95 | **Sale Price \$4.95**

**Like practically every other fabricator, you're probably looking for a quick, easy, and effective way to write on metal.** Well, you've found it: the HTP Metal Marker. I personally have one of these handy paint markers in my tool box and have literally found hundreds of uses for it. The fine tip design, in addition to making a nice, legible fine line, prevents clogging. You'll quickly find it is indispensable for plasma cutting as well as for labeling parts, tires or virtually anything else you need to put a permanent marking on. This is a tool I've used time after time after time and found it so handy, I knew we had to start selling them.





## HTP Flexible Swan Necks

How many times have you been welding and, to get into a tight spot, you needed a different angle on the welding gun, or a straight swan neck instead of a bent one? I've found myself in that same situation several times and knew there had to be a better way. So I sat down with the design team, described the problem, and they came up with the solution – the HTP Flexible Swan Neck. The Flexible Swan Neck will allow you to bend the end of your welding gun into virtually any position, allowing you access to very tight, confined areas. You know the job; you can barely get your hand and the welding gun in there. Now, with the Flexible Swan Neck you can position the Swan Neck so it points right where you want it—a necessity for getting up over the top of muffler pipes, and racers love it for working on roll cages. Available as a conversion for HTP style MIG welding guns, or as a complete gun assembly to fit most welders on the market.

Flexible Swan Neck guns use HTP replacement parts and consumables on page 37.

Part #	Description	Price
<b>HTP 15 Series Flex Neck Guns</b> (Fits the HTP MIG 140, 160, 160DV, & 200 as well as a few older HTP models)		
15500	15 Series Flexible Swan Neck Only	\$49.95
15501-15	Conversion Kit f/HTP 15 Series Guns	\$73.95
15510	10' 15 Series Flex Neck Gun	\$117.95
15512	12' 15 Series Flex Neck Gun	\$127.95
15515	15' 15 Series Flex Neck Gun	\$137.95
<b>HTP 25 Series Flex Neck Guns</b> (Fits the HTP MIG 240, 2400, & 2400-24/ST)		
25500	25 Series Flexible Swan Neck Only	\$69.95
25512	12' 25 Series Flex Neck Gun	\$160.00
25515	15' 25 Series Flex Neck Gun	\$175.00
<i>If you own a Century, Eastwood, ESAB, Everlast, Hobart, Lincoln, Miller, or Snap-On MIG welding machine, you need to purchase a complete MIG welding gun to convert to a flexible swan neck. If your make and model is not listed below, please call us for current prices and availability. We most likely carry a flexible swan neck MIG welding gun to fit your specific needs!</i>		
<b>Century®/Solar®</b> (Fits many Century/Solar MIG Welders & some Snap-On MIG welders)		
S4320FLEX-1015H	10' 15 Series Flex Neck Gun	\$134.95
S4320FLEX-1215H	12' 15 Series Flex Neck Gun	\$156.95
<b>Eastwood w/4-Pin Amphenol Trigger Connection</b> (Fits the MIG 135 & MIG 175)		
K530-410FLEX	10' 15 Series Flex Neck Gun	\$105.95
K530-412FLEX	12' 15 Series Flex Neck Gun	\$115.95
K530-415FLEX	15' 15 Series Flex Neck Gun	\$125.95
<b>ESAB® w/4-Pin Amphenol Trigger Connection</b> (Fits the Rebel™ EM 215ic, EMP 215ic, & EMS 215ic)		
ESAMM-15FLEX	15' 15 Series Flex Neck Gun	\$129.95
<b>Everlast w/Euro Back End</b> (Fits the Power i-MIG 205 & Power i-MIG 205P)		
25512	12' 25 Series Flex Neck Gun	\$160.00
25515	15' 25 Series Flex Neck Gun	\$175.00
<b>Hobart® w/2-Female Spade Trigger Connection</b> (Replaces H-9, H-10, M-10, & M-15 MIG Guns)		
M195957-BFSBE	10' 15 Series Flex Neck Gun	\$89.95
M195958FLEX-15H	12' 15 Series Flex Neck Gun	\$115.95
M195959FLEX-15H	15' 15 Series Flex Neck Gun	\$125.95
<b>Hobart® w/4-Pin Amphenol Trigger Connection</b> (Replaces H100S2-10 & H100S4-10 MIG Guns)		
H245926FLEX	10' 15 Series Flex Neck Gun	\$89.95
H245926-12FLEX	12' 15 Series Flex Neck Gun	\$115.95
H245926-15FLEX	15' 15 Series Flex Neck Gun	\$125.95
<b>Hobart®</b> (Fits the IronMan™ 230, 250, & 275 as well as the BETA-MIG 2510)		
M169596FLEXHTP	12' 25 Series Flex Neck Gun	\$162.95
M169598FLEXHTP	15' 25 Series Flex Neck Gun	\$177.95
<b>Lincoln®</b> (Replaces Magnum® 100L MIG Gun w/Spaded Trigger Connection)		
K530-5FLEXHTP	10' 15 Series Flex Neck Gun	\$89.95
K530-512FLEXHTP	12' 15 Series Flex Neck Gun	\$115.95
K530-515FLEXHTP	15' 15 Series Flex Neck Gun	\$125.95
<b>Lincoln®</b> (Replaces Magnum® 100L MIG Gun w/4-Pin Amphenol Trigger Connection)		
K530-6FLEXHTP	10' 15 Series Flex Neck Gun	\$89.95
K530-612FLEXHTP	12' 15 Series Flex Neck Gun	\$115.95
K530-615FLEXHTP	15' 15 Series Flex Neck Gun	\$125.95
<b>Lincoln®</b> (Fits the IDEALARC® SP150 & SP200)		
LE100-F	10' 15 Series Flex Neck Gun	\$144.95
LE120-F	12' 15 Series Flex Neck Gun	\$154.95
LE150-F	15' 15 Series Flex Neck Gun	\$164.95
<b>Lincoln®</b> (Fits the POWER MIG™ 200, 215, 216, 255, 255C (Code# 11192), 255XT, & WIRE-MATIC™ 250 & 255)		
K533-712FLEXHTP	12' 25 Series Flex Neck Gun	\$162.95
K533-715FLEXHTP	15' 25 Series Flex Neck Gun	\$177.95
<b>Miller®</b> (Replaces GA-17C, GA-20C, GA-21C, M-10, & M-15 MIG Guns)		
M2010-FSBE	10' 15 Series Flex Neck Gun	\$75.95
M2012-FSBE	12' 15 Series Flex Neck Gun	\$115.95
M2015-FSBE	15' 15 Series Flex Neck Gun	\$125.95
<b>Miller®</b> (Replaces M-25 & M-25M MIG Guns)		
M169596FLEXHTP	12' 25 Series Flex Neck Gun	\$162.95
M169598FLEXHTP	15' 25 Series Flex Neck Gun	\$177.95
<b>Snap-On®</b> (Fits the FM140A, MM140SL, MM250SL, YA204, & YA212A)		
15TG10FLEX-15H	10' 15 Series Flex Neck Gun	\$199.95
15TG12FLEX-15H	12' 15 Series Flex Neck Gun	\$229.95
15TG15FLEX-15H	15' 15 Series Flex Neck Gun	\$249.95





**MIG/TIG/Plasma Cart**

#CART1972

Retail \$199.95 | **Sale \$149.95**

**Introducing HTP's newest, all steel, universal welding cart.**

We designed our welding cart to work with many MIG, TIG, and plasma cutting machines. Three trays provide ample space to hold your welding machine, water-cooler and/or welding accessories, and two hooks provide space for hanging your MIG gun, TIG torch, or plasma torch, as well as your ground cable and clamp assembly. Our versatile cart also allows you to

install the middle tray in one of two positions—achieved by removing and replacing only a few nuts and bolts. The tank tray at the back of the cart will hold either a 60 cu ft cylinder, an 80 cu ft cylinder, or even a large, 122 cu ft cylinder.\* Designed with portability and ease of use in mind, our cart comes equipped with a handle, which enables you to easily pull the cart around your shop or jobsite. The ultimate in durability, we made our cart with 16 ga (bottom tray) and 18 ga sheet metal, with a black matte finish.

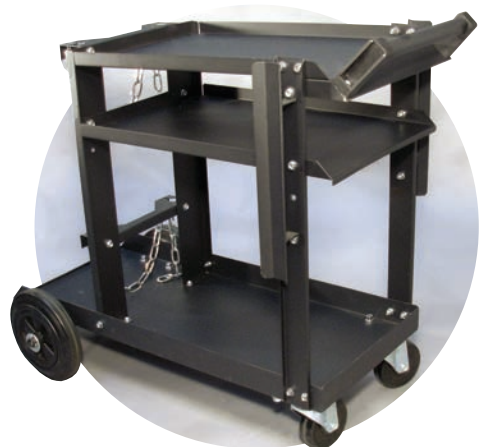
**Dimensions**

Overall Dimensions:	36 1/2" L x 17 1/4" W x 26 3/4" H
Tray Dimensions:	21 3/4" L x 12 3/4" W
Tank Tray:	10 1/2" L x 12 3/4" W

**Shelf Clearance**

Middle Tray Position 1:	Top: 4 1/2" Bottom: 14 1/2"
Middle Tray Position 2:	Top: 6 1/2" Bottom: 12 1/2"
Wheels	7 3/4" x 1 3/4"
Weight	38.76 Lbs

\*Cart includes two bottle chains



**Heavy-Duty Welding Cart**

#600514

Retail \$499.00 | **Sale \$350.00**

**We designed our newest welding cart with the Invertig 221 AC/DC, Pro Pulse 200, and Pro Pulse 300 in mind, but you can also use our all steel, heavy-duty welding cart with the MicroCut 875SC/875SC CNC and the MIG 200i, as well as many other MIG welders, TIG welders, and plasma cutters.** Our heavy-duty

welding cart features an enclosed storage box for accessories, such as consumable kits, welding gloves, and welding helmets. Our heavy-duty welding cart only includes one tray (the top tray), but you can utilize the space on top of the storage box to set up a water-cooler, a small stick welder, or a small plasma cutter. A large tank tray holds anywhere from a 60 cu ft cylinder up to a 122 cu ft cylinder\*.

Made from durable 14 gauge sheet metal with a matte black powder coat finish, our heavy-duty welding cart features front casters, large rear wheels, and a handle which allows you to easily move your equipment around your shop or jobsite.

**Dimensions**

Overall Dimensions:	41" L x 19 1/2" W x 40 1/2" H
Top Tray:	23 3/4" L x 12 1/4" W
Tank Tray:	10 3/8" L x 11 7/8" W

**Shelf Clearance**

Storage Box (Top):	17 3/4" L x 12" W
Storage Box (Inside):	16 7/8" L x 11 7/8" W
Storage Box to Tray:	16 1/2" H
Gap at the Back of the Storage Box:	5 7/8" L x 11 7/8" W
Wheels:	9 3/4" H (Diameter) x 1 3/4" W
Weight:	76.75 Lbs.

\*Cart includes two bottle straps.



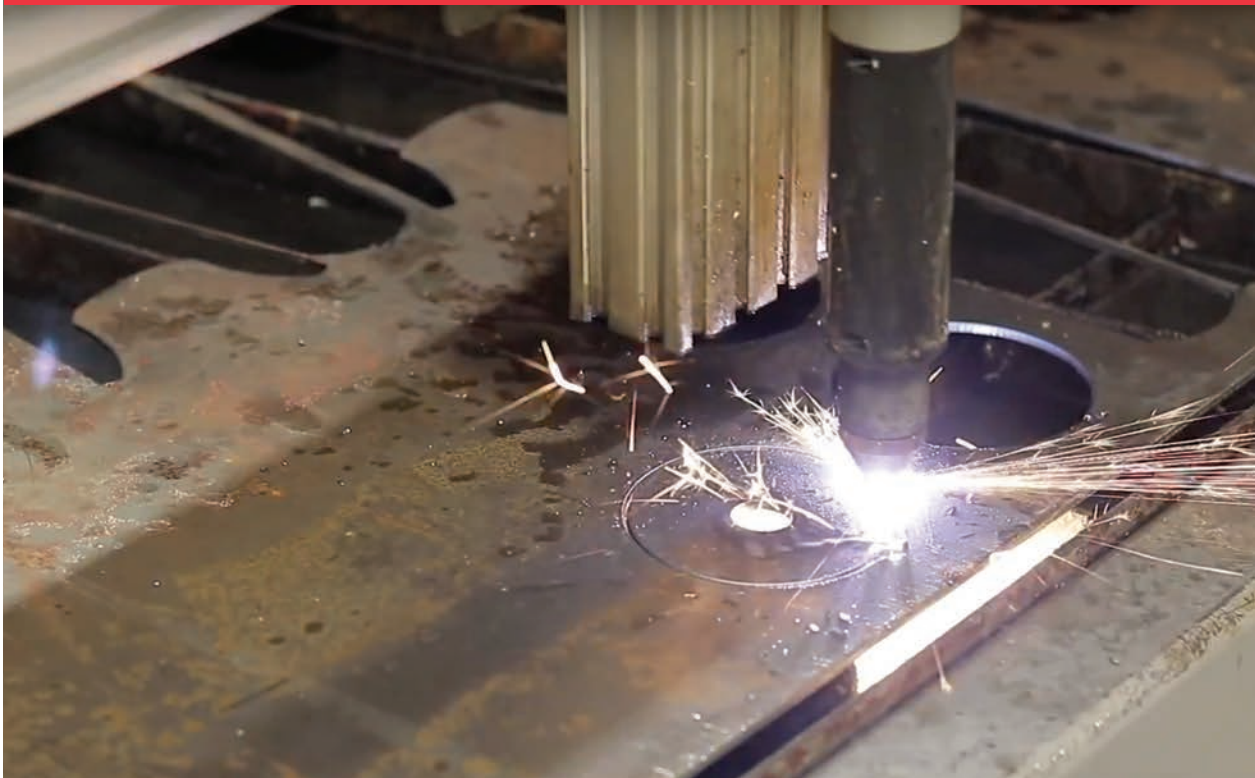
**HTP MIG DVD #99000-MIGDVD**

*Welcome to the World of MIG Welding* List \$39.95 | **Sale \$24.45**

**Thinking about buying a MIG welder, but aren't really sure if it is right for you?**

Do you already have a MIG, but feel like you could use a few pointers? Still stick welding and wonder why all your friends are raving about their MIG machines? If that's the case, then our training DVD will be money well spent. "Welcome to the World of MIG Welding", our professionally prepared 52 minute DVD gives you an in-depth, through-the-helmet view of MIG welding.

# HTP Plasma Cutters



**HTP initially made a name for itself with welders.** So when we introduced our plasma cutters years ago, we had a lot riding on them – including our reputation. Like our welders, our cutters had to be rugged and tough, but they also had to be easy to use. We're happy to report that we succeeded. HTP cutters, following the lead of our welders, consistently deliver top performance at an extremely affordable price.

**What is plasma?** Plasma is the 4th state of matter (solids, liquids, gases, and plasma)! Basically, it's a gas which has been heated to such a high temperature, it's no longer a gas – it's plasma. This plasma gas is passed through an electric current and ionized, making it electrically conductive. Being conductive, it's attracted to the workpiece where the metal to be cut is melted and blown away by the superheated plasma gas. The result is a narrow, extremely high-energy cutting arc which, with laser-like precision, slices through metal as quickly and easily as a hot knife through butter. Hands down, plasma cutting is the fastest, easiest way to cut through any material that conducts electricity. There's no contest . . . and no heat distortion!

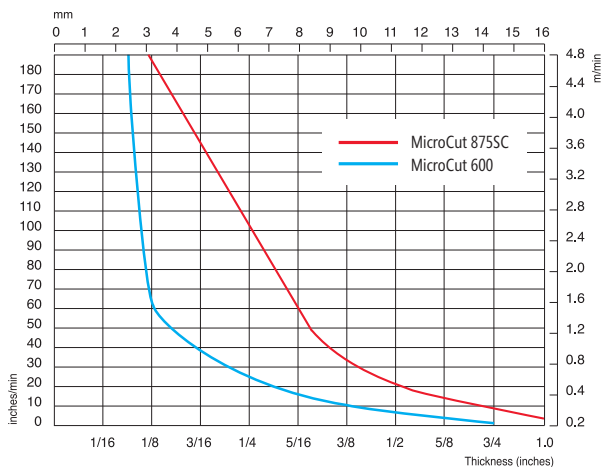
**Plasma cutting technology has been around for a while.** Originally, plasma cutters were found only in heavy industrial and specialized manufacturing applications. Now, HTP offers state-of-the-art equipment that is affordable and can be used virtually anywhere.

Take our MicroCut 600, for example. The MicroCut 600 brings inverter technology home in a 40 amp unit that quickly and easily cuts material up to ½" at 5 IPM.

Our MicroCut 875SC v2, available with or without built-in CNC capabilities, features unmatched arc stability and power, which allows you to cut material up to ½" thick at 45 amps with 100% duty cycle; when cutting in CNC mode, the MicroCut 875SC cuts ½" material thickness at 24 IPM and ¼" material thickness at 72 IPM.

Now, plasma cutters can be used by fabricators, muffler shops, street rodders, farmers, race car builders, and even sophisticated home handymen. Anyone who wants to cut, shape, modify or just get metal out of the way will find that an HTP plasma cutter is the ideal tool for the job. You can always count on HTP for the right machine for your application . . . at the right price.

**Plasma Cutting Speed Chart**



# MicroCut™ 600

#MC25600

**\$1089.00**

**Don't let the small size fool you – the MicroCut 600 is a real workhorse.** It's 40 amps of power allows you to cut ¼" steel at over 20 in/min., ⅜" at over 10 in/min. and ½" at 5 in/min! But it's small size (15" L x 6" W x 12 ½" H) and light weight (22 lbs) means you can take this powerhouse anywhere, and inverter technology means it's energy efficient – the MicroCut 600 only needs 30 amps of 220 volt power!

Infinite amperage adjustment lets you keep the raw cutting power of the MicroCut 600 under control. Dial the current down to 10 amps to perform precise cuts on thin gauge sheet metal. Crank the power up to 40 amps for serious frame fabrication and bracket building. Whatever project you need to tackle, the MicroCut 600 is up to the task! And whether it's steel, stainless steel, aluminum, or any other metal that conducts electricity, the MicroCut 600 will cut through it like a hot knife through butter.

The 13 ft plasma torch features our new "shoulder contact" electrode and cutting tip for longer consumable life. This tip design means the MicroCut 600 starts the arc instantly without high frequency, so you can start your arc right through rusty and painted metal, while reducing the possibility of damaging an on board computer or any other sensitive electrical equipment you might be cutting near.

And like all HTP equipment, we back the MicroCut 600 with our 90-day, money-back guarantee – try the machine in your shop for 90 days, if you don't like the way it cuts, we will take it back, no questions asked. And we further back the machine with a one-year warranty and free shipping anywhere in the Continental United States.

**When you compare the MicroCut 600 to the others, you will see there is no comparison.**

 *Made in Italy.*

## MicroCut 600

Primary Voltage (volts)	220
Primary Amperage (amps)	30
Cutting Current (amps)	10 to 40 amps Infinitely Variable
Open Circuit Voltage (volts DC)	350
Cutting Voltage (volts DC)	110
Quality Cutting Capacity	⅜" @ 10"/min
Severance Cutting Capacity	½" @ 5"/min
Duty Cycle	20% @ 40 amps
Weight	22 lbs
Dimensions	
Length	15"
Width	6"
Height	12 ½"
Cutting Torch Length	13 ft.
Ground Length	12 ft.
Input Power Cord Length	7 ft.
Plasma/Cooling Gas Pressure	60 - 75 psi
Plasma/Cooling Gas Volume	3.5 cfm
Warranty	1 year
Consumable Kit #	MC25600KIT
Kit Price	\$60.95



Free Shipping - All Orders Over \$35



# MicroCut™ 875SC v2

#MC875SC2

**\$1395.00**

# MicroCut™ 875SC CNC v2

#MC875SC2CNC

**\$1495.00**

We proudly introduce our newest plasma cutter, the **MicroCut 875SC v2**—now available with or without built-in CNC capabilities. The MicroCut 875SC's unmatched arc stability and power allows you to cut material up to ½" thick at 45 amps, all day long, with 100% duty cycle. Set up with a standard 14-pin connector, the MicroCut 875SC features an Arc OK signal and torch voltage signal (50:1 signal) to run a torch height controller. With the MicroCut 875SC, the maximum rated CNC pierce capacity is ½"; the cut speed at ½" material thickness runs at 24 IPM, and the cut speed at ¼" material thickness runs at 72 IPM. To use your MicroCut 875SC CNC on your plasma table, simply install our optional CNC machine torch, plug in your table, and switch the cutter into CNC mode.

To get the best cutting capacity, fastest cutting speeds, and longest consumable life out of your CNC plasma cutting applications, we highly recommend using our HTP Max Dry desiccant air dryer system (#25310-2). Dry air is a necessity when running a CNC with a torch height controller.

With 55 amps of cutting power in manual mode, the MicroCut 875SC quality cuts material up to ¾" thick at 8 IPM and severance cuts material up to 1" thick at 4 IPM. If you need to cut thinner gauge sheet metal, no problem—just tweak the amperage down and slice away. Perfect for the serious fabricator, the MicroCut 875SC allows non-stop, efficient cutting (with a duty cycle of 100% at 45 amps) and effectively slices through mild steel, hardened steel, stainless steel, high carbon steel, galvanized steel, aluminum, brass, copper, and even rusty or painted plate. For hand cutting, install our optional hand torch and switch the cutter into manual mode.

**The MicroCut 875SC packs powerful performance into a perfectly sized package, making this versatile cutter perfect both in the shop and on the jobsite.** Thick or thin, the MicroCut 875SC gets the job done! Backed by a 2-year warranty and a 90-day money back guarantee, you can't go wrong with the MicroCut 875SC.

**87002HT** 20' Tecmo TH-70 Hand Torch **\$349.95**  
**87200MT** 20' Tecmo TM-70 Machine Torch **\$595.00**

 Plasma cutter, torches, and consumables are made in Italy.

SCAN to see the  
MicroCut 875SC  
in action.



Hand and/or machine torch sold separately.

### Specifications

Primary Voltage (volts)	230
Primary Amperage (max amps)	40
Cutting Current (amps)	Hand Torch: 30 to 55 amps CNC Torch: 30 to 45 amps
Open Circuit Voltage (volts DC)	320
Cutting Voltage (volts DC)	140
Quality Cutting Capacity	3/4" @ 10"/min
Severance Cutting Capacity	1" @ 4"/min
Duty Cycle	40% @ 55A 100% @ 45A
Weight	40 Lbs.
Dimensions	
Length	18 ¾"
Width	8 ¼"
Height	12 ¼"
Cutting Torch Length	Hand Torch: 20' Machine Torch: 20'
Ground Length	10'
Input Power Cord Length	9'
Plasma/Cooling Gas Pressure	60-80 psi
Plasma/Cooling Gas Volume	3.5 cfm
Warranty	2-year

# Plasma Accessories

**HTP Max Dry #25310-2** List \$499.00 | **Sale \$360.00**

**HTP Max Dry XXL #25310-1G** List \$565.00 | **Sale \$429.00**

Our **Max Dry/Max Dry XXL** functions as the ultimate **air dryer/regulator** and the perfect workstation dryer for the serious home or body shop. Humidity can wreak havoc on your air tools because, as air cools off down the line in your air hose, the humidity in the air condenses and turns into moisture, which creates headaches for you. The Max Dry/Max Dry XXL eliminates the humidity and moisture problem. See how below.

The Max Dry/Max Dry XXL provides a five-stage filtration process in an all-in-one unit. The first stage consists of a **self-draining, 5 micron filter**, which filters out, **down to 40 microns**, all liquid water, liquid oil, dust, dirt, rust, and pipe scale.

The second stage features a **coalescing filter**, which functions differently than a standard particulate filter. Air flows from inside to outside through a coalescing media. Small aerosols come in contact with the fibers in the media and unite with other aerosols caught in the fibers. The aerosols continue to unite and emerge as a droplet on the outside of the media, and gravity allows the droplet to drain away. The second stage filters, **down to .03 microns**, all oil mist, water mist, and submicronic particles.

The third stage separates our Max Dry/Max Dry XXL from all of the rest! Air enters the third stage and passes through a **70 micron filter, which evenly disperses the air through either a 2-quart (Max Dry, #25310-2) or a 4-quart (Max Dry XXL, #25310-1G) desiccant bed**. The desiccant removes humidity from the air to a temperature of -3° F, which eliminates the possibility of any moisture condensing in your air lines and being pumped through your plasma cutter, sander, air ratchet, grinder, or spray gun.

Best of all, **you can reuse the desiccant**. The desiccant is dark blue in color when dry and ready to absorb moisture, and then turns a clear, orange-like color after absorbing as much water vapor as possible. When the desiccant turns to a clear, orange-like color, simply pour the desiccant into a baking pan, pop the baking pan into the oven at 325° F, and bake for approximately one hour. The desiccant turns back to blue and provides you, once again, with clean, dry air.

Stage 4 and 5 consist of a **final filtration and a precise regulator**. The regulator accurately controls the secondary pressure between 2 and 125 psi, the self-bleed venting feature permits use on dead-end applications, and the inlet and outlet is ½" NPT female.

**The Max Dry/Max Dry XXL will eliminate your moisture problem. Aren't your air tools and paint projects worth it?**



Made in the USA

**HTP Super Dry #25300** List \$10.99 | **Sale \$8.99**

We've looked a long time for a high quality air dryer that would solve moisture problems for plasma cutters. One that would be affordable – and we finally found one! I've used this dryer on all kinds of applications – painting, sanding, air tools, and of course plasma cutting, and found that it works great! The secret is the desiccant, which actually absorbs the humidity from the air, guaranteeing that no moisture gets past it. Additionally, a sintered bronze element removes all dust and dirt particles down to 5 microns! Best of all, the filter changes from a dark blue color (new), to clear when the desiccant absorbs all the moisture it can. It's easy to tell when to replace the filter.

**When you look at the money you have invested in air tools, plasma consumables, or even a gallon of automotive paint, the HTP Super Dry acts as an inexpensive insurance policy.**



HTP Max Dry



HTP Max Dry XXL

# HTP Plasma Parts & Accessories

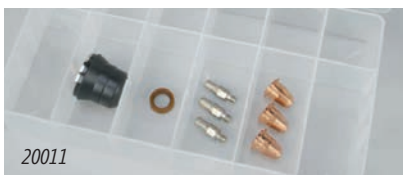
## Plasma Parts Kit

The cutting torch of plasma cutters is susceptible to the same heat damage and slag build-up as a MIG welding torch. Eventually, these parts will need replacing. Parts are available individually, or you can order the convenient parts kit in a handy carrying case.

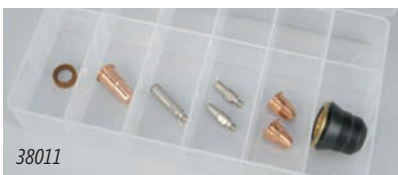
20011	Parts Kit MicroCut 200 & 201	List \$74.95	<b>Sale \$60.95</b>
23011RF	Parts Kit MicroCut 250RF & 125RF	List \$79.95	<b>Sale \$65.95</b>
38011	Parts Kit MicroCut 300, 301, 380, 400	List \$74.95	<b>Sale \$60.95</b>
MC25600KIT	Parts Kit MicroCut 600	List \$74.95	<b>Sale \$60.95</b>
26011	Parts Kit MicroCut 625	List \$98.60	<b>Sale \$70.95</b>
26011-45	Parts Kit MicroCut 625-45	List \$98.60	<b>Sale \$70.95</b>
25875SKIT	Parts Kit MicroCut 875S	List \$159.68	<b>Sale \$90.95</b>
MC875SKIT-TH70	Parts Kit MicroCut 875SC v2 - Hand Torch	List \$98.95	<b>Sale \$72.95</b>
MC875SKIT-TM70	Parts Kit MicroCut 875SC v2 - Machine Torch	List \$98.95	<b>Sale \$72.95</b>



23011RF



20011



38011



26011

## Circle Cutting Attachment

Here is a unique plasma cutting attachment that can make your cutting jobs not just easier, but also more precise.

Anyone can use it! The HTP Circle Cutting kit includes a 10" cutting bar, 15" cutting bar, compass base, magnetic base, 1/4" pierce base and dual-wheel car. The two cutting bars can be attached together, allowing you to accurately cut circles anywhere from 4" to 50" diameter. Straight line cutting? The dual wheel car makes it a snap.



#38100 For use with the HTP MicroCut 200, 201, 300, 301, 380, 400 & 625-45  
List 189.95 **Sale \$116.00**

## Plasma Cutter Machine Covers

Made from polyester-backed, marine vinyl, these water resistant, non-flammable covers are specially crafted to protect your machine from moisture, dust, and other harmful workshop elements. Each cover includes a series of cutouts that allow the plasma cutter torch and ground to stay connected while the cover is in place.

Cover For	Part #	Retail	Sale
MicroCut 875S	25875 Cover RV	\$71.00	<b>\$59.95</b>
MicroCut 625	25625 Cover RV	\$66.00	<b>\$55.90</b>
MicroCut 600	MC25600 Cover RV	\$62.00	<b>\$52.90</b>
MicroCut 400	MC25400 Cover RV	\$64.00	<b>\$54.90</b>
MicroCut 200, 201, 300, & 301	MC25300 Cover RV	\$62.00	<b>\$52.90</b>

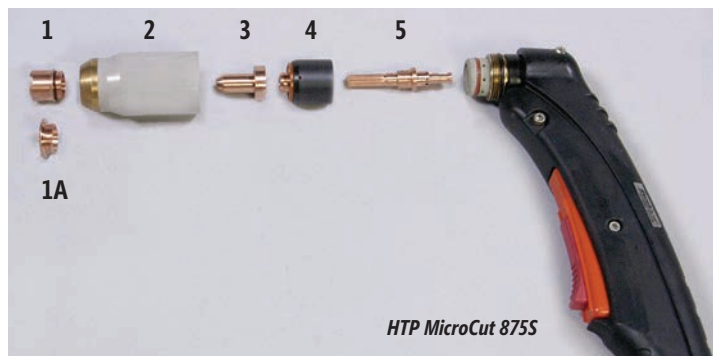
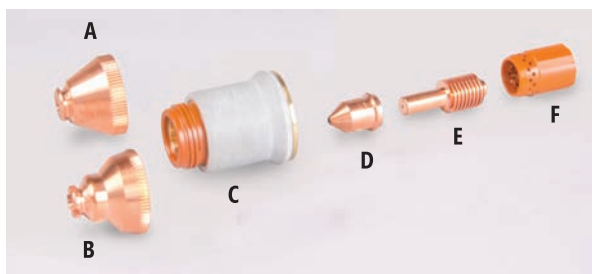


 Handmade in the USA



### Replacement Parts for HTP MicroCut 875SC v2

Illus #	Description	HTP Part #	Price
A	Shield Cap – Machine Torch	87005SMMO	\$9.95
B	Shield Cap – Hand Torch	87005HSMO	\$9.95
C	Shield Cup Body – Hand & Machine Torch	87005HMO	\$24.95
D	Contact Cutting Tip, 20-50A – Hand & Machine Torch	87030MO	\$2.95
E	Electrode – Hand & Machine Torch	87003MO	\$5.95
F	Swirl Ring – Hand & Machine Torch	87058MO	\$13.95
G	Gouging Tip, 45A – Hand Torch (Not Pictured)	87030GSMO	\$3.95
H	Gouging Shield – Hand Torch (Not Pictured)	87005GMO	\$12.95
I	Consumable Kit for Tecmo TH-70 Hand Torch	MC875SCKIT-TH70	\$72.95
J	Consumable Kit for Tecmo TM-70 Machine Torch	MC875SCKIT-TM70	\$72.95

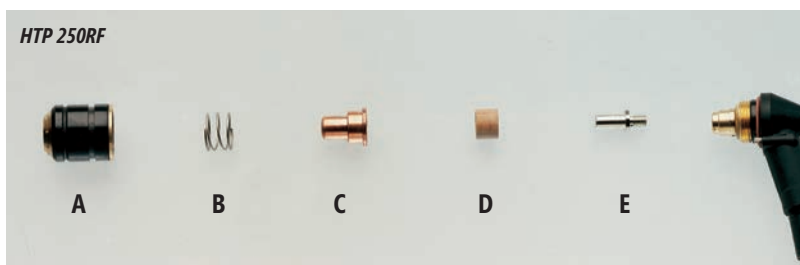
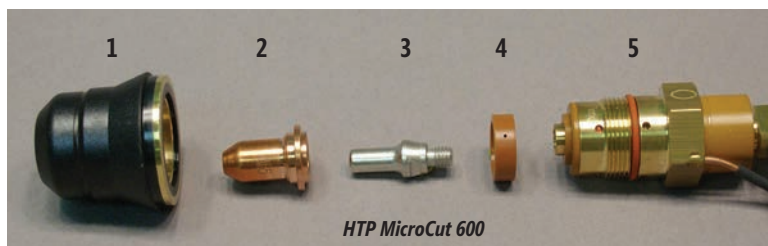


### Replacement Parts for HTP MicroCut 875S

Illus #	Description	HTP Part #	Price
1	Shield Cap - Drag Cutting	87005D	\$14.95
1A	Shield Cap - Stand Off	87005SO	\$11.49
	Shield Cap - Gouging	87005G	\$14.95
2	Safety Cup	87005	\$32.45
3	Cutting Tip - 60 Amp	870030-60	\$6.15
	Cutting Tip - 40 Amp	870030-40	\$6.15
	Cutting Tip - Wide	870030-W	\$7.29
	Cutting Tip - Medium	870030-M	\$7.29
4	Start Cartridge	87058	\$26.62
5	Electrode	87003	\$8.44

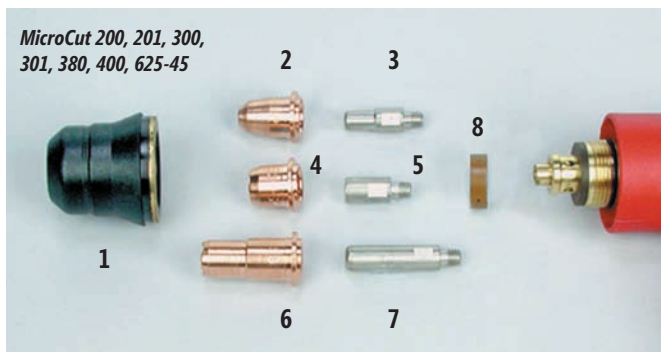
### Replacement Parts for MicroCut 600

Illus #	Description	HTP Part #	Price
1	Gas Diffuser	38005	\$14.46
2	Cutting Tip, 10-20 Amp	60025	\$4.71
	Cutting Tip, 20-30 Amp	60031	\$4.71
	Cutting Tip, 30-40 Amp	60036	\$4.71
3	Electrode	60003	\$6.21
4	Swirl Ring	62058	\$14.46
5	Torch Head	60002	\$149.99



### Replacement Parts for HTP-250RF Torches

Illus #	Part #	Description	Price
A	23005	Gas Diffuser	\$18.95
B	23062B	Spring (Pkg 3)	\$4.95
C	23130B	Cutting Tip (Pkg 3)	\$15.96
D	23058B	Insulator (Pkg 3)	\$13.95
E	25003B	Electrode (Pkg 3)	\$23.39
	23011RF	Consumable Kit	\$65.95



### Replacement Parts for HTP MicroCuts listed below

Ref #	Description	200, 201	300, 301, 380, 400, 625-45	Price
1	Gas Diffuser	20005	38005	\$14.46
2	Cutting Tip-Std	20030	38030	\$4.71
3	Electrode	38003	38003	\$6.21
4	Cutting Tip	N/A	62030	\$4.71
5	Electrode	N/A	62003	\$6.96
6	Extended Cutting Tip	N/A	62030E	\$5.46
7	Extended Electrode	N/A	62003E	\$7.71
8	Swirl Ring	62058	62058	\$14.46

See our website [www.USAWeld.com](http://www.USAWeld.com) for additional Plasma Parts.

# HTP Welding Aids

## HTP Nozzle Spray - 2 Per Pack - #12021 \$35.00

**If you own a MIG welder (any MIG) Nozzle Spray is a must.**

Prevents costly spatter build-up on nozzles, tips, and swan necks. Not a silicone product, but a specifically designed anti-spatter formula.

## HTP Nozzle Gel - #12024-16 \$10.00

**Our HTP Nozzle Gel is the best anti-spatter material we've ever offered.** Available in a 16 oz jar! HTP Nozzle Gel lubricates nozzles and tips, preventing spatter build-up for longer nozzle life. Dip your hot nozzle in the gel as you weld and spatter just taps out! This blue odorless gel is firm and stays put during high temperature use, even sideways or upside down. We recommend this sensible product to all MIG welders.

## HTP Prime-A-Weld Zinc - 2 Per Pack - #12022 \$35.00

**Auto workers and metal men for years have used hot dip zinc to slow or stop corrosion.** Prime-A-Weld is 95% zinc blended with 5% epoxy resin to produce one tough film. Regular paints can't hold up or bond properly to metal – they are just coatings. Prime-A-Weld zinc-rich treatment actually welds through and chemically fuses to the work surface. Rust doesn't even have a chance to start.

Prime-A-Weld has complete weld-through capability and won't interfere with spot welds like undercoat paint or plastics. Perfect for rockers, blind panels found on antique restoration, or today's unibody cars. We are proud of this fine product. HTP Prime-A-Weld zinc meets or exceeds all performance requirements including the following specs: MIL-T-210335, repair for hot dip galvanizing, MIL-P-346105-Weld thru primer, and the Preece test for hot dip galvanizing. Remember, if it won't meet or beat all these requirements, it simply won't work properly. You invest your valuable time and energy, the least we can do is provide the best product for your needs.

## Stainless Steel Wire Brushes

**These are an absolute must when welding aluminum.** Regular steel wire brushes contaminate the aluminum and can cause poor results. Stainless steel brushes will ensure the weld surface is as clean as possible. Available in small and large sizes.

**40110** - Stainless Steel Wire Brush (small) **\$4.95**

**40112** - Stainless Steel Wire Brush (large) **\$8.00**



## HTP Super Heat Sponge #12084-32 \$35.00

**Have you ever welded or heated an area of your prized auto, a customer's car or a metal project you were working on only to remove your helmet to find warped metal, discolored paint or broken glass? What was the cost of the damage?**

**We have a new solution ... HTP Super Heat Sponge!**

HTP Super Heat Sponge works like magic to absorb heat and provide a protective barrier to stop the damage excessive heat can cause. Apply on the backside of the weld area as well, to reduce discoloration and distortion on lightweight metal. HTP has always had a Heat Sponge product; however, our new, reformulated Super Heat Sponge absorbs even more heat.

It's easy to use. Spread a liberal amount around the work area, and you can start to weld, braze, or solder. Super Heat Sponge will soak up the dangerous heat next to your finished work. The paste is dried out in the heat exchange and your metal is protected from the heat. Wipe off and put it back in the can. Super Heat Sponge is reusable and can be used again and again. Rinse the work area with water and you're done. Apply Super Heat Sponge to finished surfaces to protect from heat damage or weld spatter. HTP Super Heat Sponge works for lead applications near gaskets or windows, use it vertically, horizontally, or overhead. Non-toxic, safe for all skin contact, produces no odor.

HTP Super Heat Sponge is user friendly, environmentally safe, and 100% biodegradable. Available in 32oz. jars. Add up the advantages: eliminate discoloration, distortion and breakage, save costly tear down and reassembly, save time and money.



### HTP Flowmeters

**For those who want a more accurate gas delivery system, flowmeters are the answer.** Perfect for all MIG and TIG welding applications, our flowmeters offer an economic alternative for demanding customers who want more precise gas metering. Each of our flowmeters include a large, 1-1/2" diameter pressure gauge, which reads from 0 to 4000 psi, so you always know the amount of gas left in your cylinder. Furthermore, you can adjust the output flow from 10 to 60 CFH (cubic feet per hour); a floating ball that moves up and down the flow tube indicates output flow settings. The ability to accept either a 9/16" x 18 RH female fitting, as well as a 5/8" x 18 RH male fitting, shows the versatility of HTP's line of flowmeters—you can use our flowmeters with your Hobart, Lincoln, or Miller machines and gas hoses, or any other machine that uses common 5/8" x 18 RH male gas fittings. Plus, the HTP Flowmeter comes with an additional 5/8" x 18 RH male nut and 5/32" barbed nipple, the Dual Flowmeter comes with two additional 5/8" x 18 RH male nuts and 5/32" barbed nipples, and the HTP CO2 Flowmeter comes with an additional 5/8" x 18 RH male nut and 1/4" barbed nipple—just in case you need to adapt your current hose to your new flowmeter.

Flowmeter



CO2 Flowmeter



Dual Flowmeter

**The HTP Flowmeter** features a CGA-580 cylinder fitting, making the flowmeter compatible with Argon, Argon/CO2, Helium, and Nitrogen cylinders. Backed by a 2-year warranty, our Flowmeter provides reliable performance at an affordable price!

**HTP's Dual Flowmeter** features a CGA-580 fitting and fits all Argon, Argon/CO2, Helium, and Nitrogen cylinders. The Dual Flowmeter is perfect for hooking the same cylinder up to multiple machines or for back-purging when you don't have a second cylinder. Our Dual Flowmeter is also backed by a 2-year warranty. Please note: HTP's Dual Flowmeter does not fit CO2 cylinders.

**Our CO2 Flowmeter** is perfect for MIG Welding with CO2 (Carbon Dioxide). With a CGA-320 fitting, HTP's CO2 Flowmeter fits carbon dioxide cylinders. The CO2 Flowmeter comes backed with a 1-year warranty. Please note: The CO2 Flowmeter does not fit Argon, Argon/CO2, Helium, or Nitrogen cylinders.

<b>12020-F</b>	Flowmeter	<b>\$35.00</b>
<b>12020-FDO</b>	Dual Flowmeter	<b>\$99.95</b>
<b>12020-FDO-1H</b>	Dual Flowmeter w/1 Hose	<b>\$112.95</b>
<b>12020-FDO-2H</b>	Dual Flowmeter w/2 Hoses	<b>\$119.95</b>
<b>12020-CO2</b>	CO2 Flowmeter	<b>\$35.00</b>
<b>HOSE</b>	6' Long	<b>\$19.95</b>
<b>TIG HOSE</b>	6' f/HTP Machines	<b>\$19.95</b>

### Gas Bottles

- 55 Cubic Foot Capacity for 3 to 4 hours of welding
- 99900 Rated 3A1800 (1800 PSI Max pressure w/5% overfill)
- 99900-2015NC rated 3A2015 (2015 PSI Max pressure w/5% overfill)
- Valved CGA 580 for Argon/CO2 mixtures, Refillable
- Give your gas supplier the specifications to make sure they will fill customer owned bottles.

Buy two so you always have a full bottle on hand!



HTP 55 Cubic Foot Gas Bottle

	List	Sale
<b>99900</b>	\$135.95	<b>\$100.00</b>



# HTP Quick Spot II

#60501

Visit our online welding store anytime at  
[www.USAWeld.com](http://www.USAWeld.com)

**\$649.00**

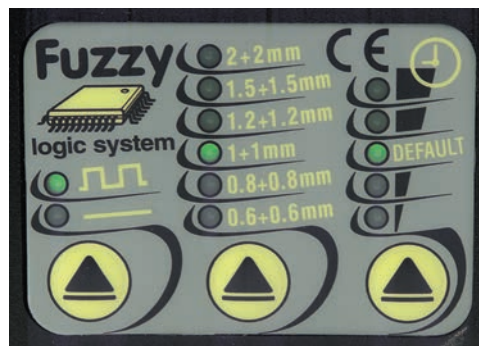
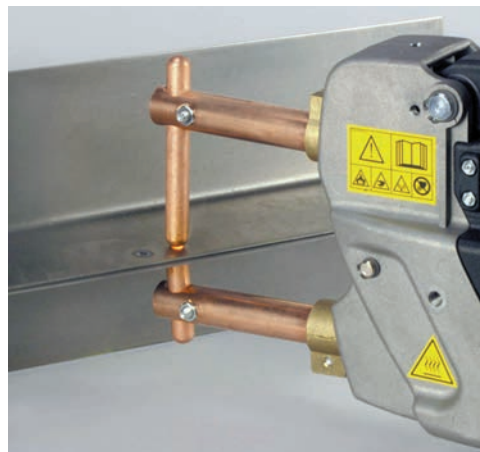
**Now, with the HTP Quick Spot II, anyone can make factory looking spot welds quickly, easily, and affordably.** This 220-volt powerhouse produces 6000 amps, making rust repairs and panel repairs a snap. The Quick Spot II welds with virtually no warpage, and finishing work is minimized because no metal is added in the welding process. You don't have to worry about pitting windshields or burning up interiors because the Quick Spot II eliminates spatter.

Best of all, the Quick Spot II requires absolutely no welding skill to operate. The same Micro-processor technology found in our Versa Spot 7000 means you just select the thickness of the panels you're welding, squeeze the handles together, and the Quick Spot II does the rest. It even has a pulse feature for burning through primers!

The Quick Spot II also uses the same spot welding arms as the Versa Spot 7000, so you will be sure you can tackle just about any welding job that comes your way. **We recommend the Quick Spot II for the sophisticated home shop, body man, sheet metal fabrication shop, and antique restorer.**

### Quick Spot II Specs

Maximum Welding Current	6000 amps
Welding Voltage	2.5 volts
Max. Electrode Pressure	265 lbs
Input Voltage	220 volts
Input Amperage	30 amps
Maximum Absorbed Power	13 Kw
Rated Power	2.3 Kw @ 50%
Spots/Hr (continuous mode 20 ga panels)	180
Maximum Double Sided Spot Welding Thickness	14 ga (.075") + 14 ga (.075")
Dimensions	17" L x 4"W x 7" H
Includes Straight Arms (Offset Electrode 4 3/4") Item #673151	



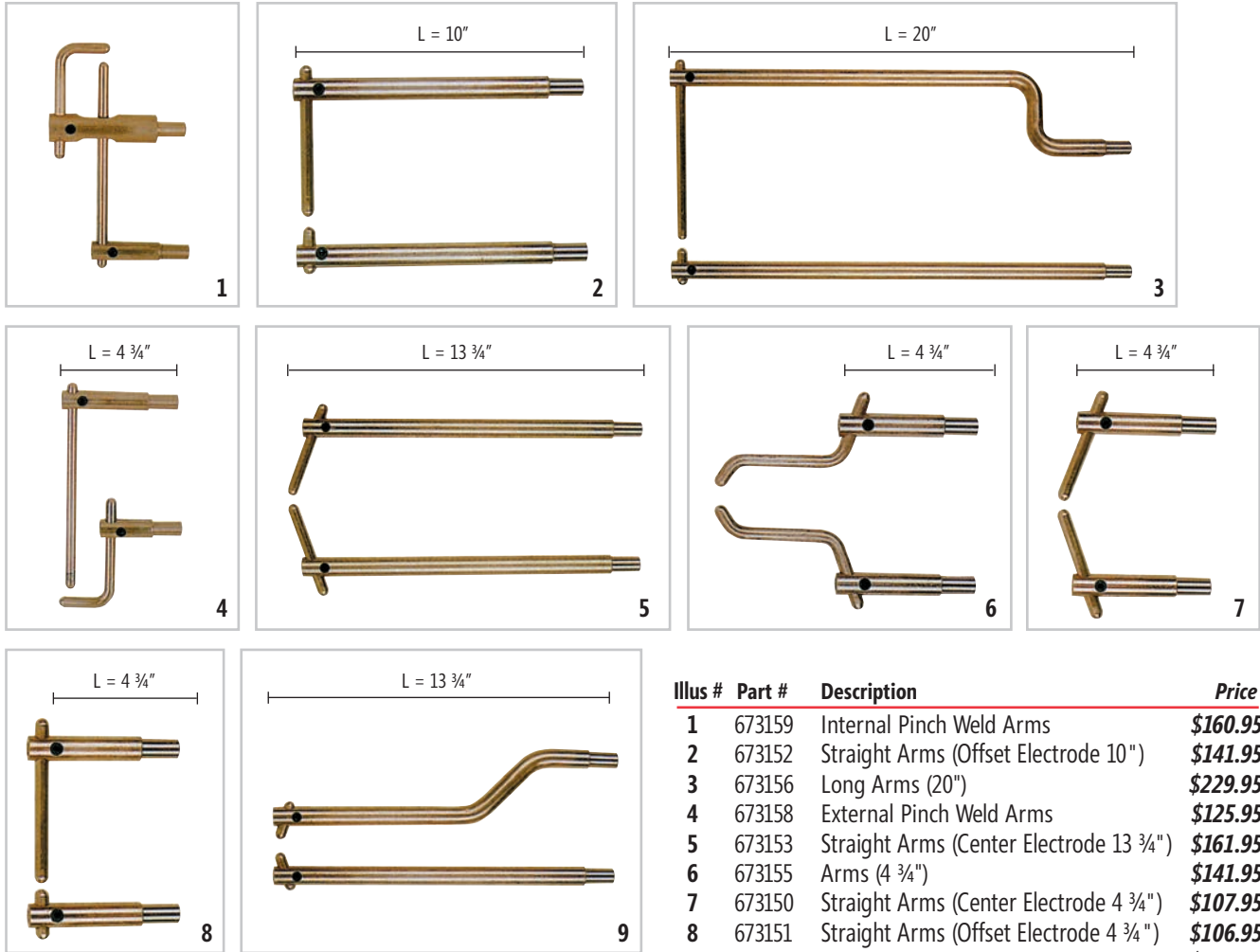
Quick Spot II Control Panel

The Quick Spot II ships free anywhere in the Continental United States, additional charges will apply for Hawaii, Alaska, Puerto Rico, and international locations.



 Made in Italy.

# Optional Spot Welding Arms



*Made in Italy.*

Illus #	Part #	Description	Price
1	673159	Internal Pinch Weld Arms	<b>\$160.95</b>
2	673152	Straight Arms (Offset Electrode 10")	<b>\$141.95</b>
3	673156	Long Arms (20")	<b>\$229.95</b>
4	673158	External Pinch Weld Arms	<b>\$125.95</b>
5	673153	Straight Arms (Center Electrode 13 3/4")	<b>\$161.95</b>
6	673155	Arms (4 3/4")	<b>\$141.95</b>
7	673150	Straight Arms (Center Electrode 4 3/4")	<b>\$107.95</b>
8	673151	Straight Arms (Offset Electrode 4 3/4")	<b>\$106.95</b>
9	673154	Arms (13 3/4")	<b>\$191.95</b>
	673045	Spot Weld Arms Kit – (Includes 1, 2, 3, 4, 5, 6 Above)	<b>\$819.95</b>

## **Clecos #99160** List \$59.00 | **Sale \$40.95**

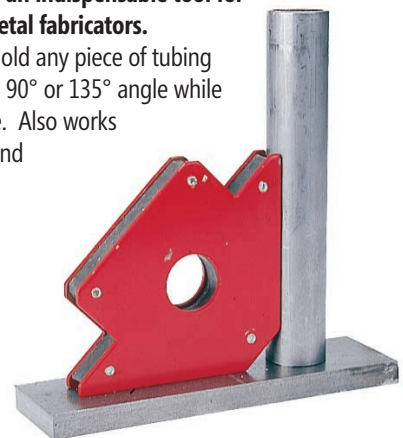
**For fabricators and racers, nothing works better to hold metal in place prior to welding than Clecos.** They're actually removable rivets. Place the panel in position, drill a 1/8" or 3/16" hole and, using the installation tool, insert the Cleco thru the hole. The two panels are now tightly held together. Clecos are reusable, and they'll be your "third, fourth and fifth hands" for years to come. Kit includes ten 1/8" clecos, ten 3/16" clecos, two edge holding clecos, and the installation tool. Comes complete with handy carrying case.



## **HTP Maghold #90180** \$17.95

**The HTP Maghold is an indispensable tool for chassis and sheet metal fabricators.**

This handy tool will hold any piece of tubing over 1/2" dia. at a 45°, 90° or 135° angle while you weld it into place. Also works great on steel plate and square tubing.





**HTP Machine Covers** - Made from polyester-backed, marine vinyl, these water resistant, non-flammable covers are specially crafted to protect your machine from moisture, dust and other harmful workshop elements. Each cover includes a series of cutouts that allow the torch and ground to stay connected while the cover is in place.

	Part #	Retail	Sale
<b>TIG Welding Machines</b>			
Invertig 221	70221 Cover RV	\$66.00	<b>\$55.00</b>
Invertig 201	70221 Cover RV	\$66.00	<b>\$55.00</b>
Invertig 160DC	70160DC Cover RV	\$66.00	<b>\$55.00</b>
Invertig 130DCHF	70130DCHF Cover RV	\$66.00	<b>\$55.00</b>
Invertig 131DCHF	70131DCHF Cover RV	\$66.00	<b>\$55.00</b>
MTS 160	60160MTS Cover RV	\$66.00	<b>\$55.00</b>

<b>MIG Welding Machine</b>			
MIG 2400	602400 Cover RV	\$66.00	<b>\$55.00</b>
MIG 200	60200 Cover RV	\$66.00	<b>\$55.00</b>
MIG 160	60160 Cover RV	\$66.00	<b>\$55.00</b>
MIG 140	60140 Cover RV	\$66.00	<b>\$55.00</b>
MIG 130	60130 Cover RV	\$66.00	<b>\$55.00</b>

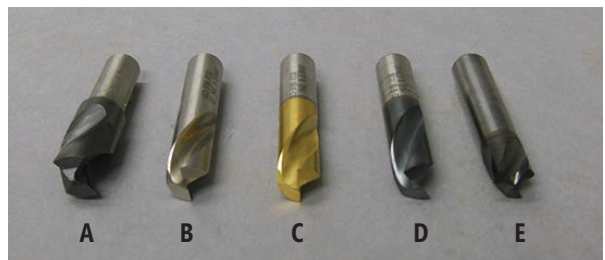
<b>Plasma Cutters</b>			
MicroCut 875SC v2	25875SCv2 Cover RV	\$71.00	<b>\$59.95</b>
MicroCut 875S	25875 Cover RV	\$71.00	<b>\$59.95</b>
MicroCut 625	25625 Cover RV	\$66.00	<b>\$55.90</b>
MicroCut 600	MC25600 Cover RV	\$62.00	<b>\$52.90</b>
MicroCut 400	MC25400 Cover RV	\$64.00	<b>\$54.90</b>
MicroCut 200, 201, 300, & 301	MC25300 Cover RV	\$62.00	<b>\$52.90</b>



Handmade in the USA

**HTP Spot Weld Drill Bits** - Made of top quality, German tool steel, this high-speed steel is mixed with a special cobalt alloy (EMO5-CO5), resulting in drill bits that can be expected to last twice as long as standard high-speed steel bits. Tests in our 90150 HTP Spot Mill have resulted in over 100 spot welds removed. These advanced HTP drill bits also work great in any other spot weld cutter.

Measuring 1 1/4" long x 5/16" diameter, they can be used in any drill which runs between 700 to 1800 rpm. Of course, as with any cutting tool, use of a cutting oil will greatly increase the life of the tool.



**A) 90151-10TICN** - These are our **HSSE Spot Weld Bits**, TiCN coated, which contains a special cobalt alloy - and is coated with space-age Titanium. This bit lasts three times longer than our 90151 HSSE cobalt bit, and features a 10mm diameter cutting face. List \$34.95 | **Sale \$22.90**

**B) 90151** - This HSSE bit contains special cobalt alloy and lasts twice as long as HSS bits. This bit has an 8mm diameter cutting surface. List \$14.95 | **Sale \$11.25**

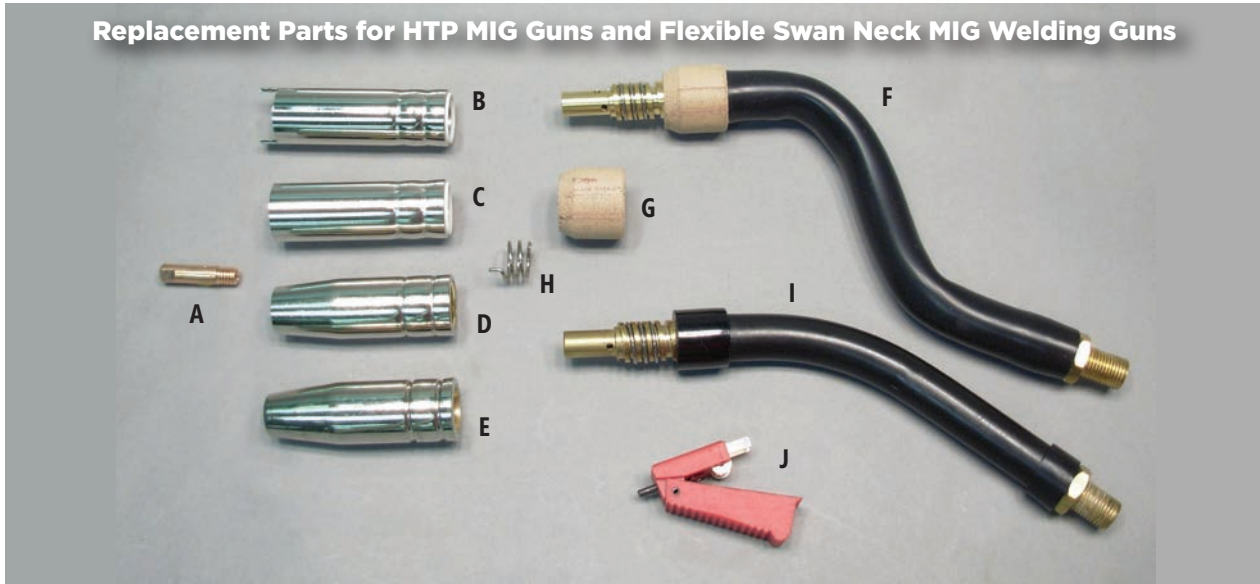
**C) 90151-TIN** - **You know these bits are different the minute you look at them.** We took our HSSE cobalt alloy bit and coated it with space-age Titanium, which gives the bit its gold color. The durable, titanium coating on these bits makes them last three times longer than our 90151 HSSE cobalt bit. This bit has an 8mm diameter cutting surface. List \$24.95 | **Sale \$16.25**

**D) 90151-MAX2U** - **These are the highest quality spot weld drill bits** - Both Titanium Coated and Carbon Nitrited, this exceptional coating is extremely hard while offering a very low coefficient of friction, so it runs cool. The bit's purple color comes from the carbon nitriding process, which makes this bit last 10 times longer than the standard HSS bit. Featuring a Rockwell Hardness of 96 and max temp rating of 1600 degrees, you can use the MAX2U bit dry or with cutting oil. This bit has an 8mm diameter cutting surface. List \$32.95 | **Sale \$21.65**

**E) 90151-3** - **This is truly the top of the line.** If you are working on late model, uni-body vehicles (Daimler/Chrysler, Porsche, Audi, Volvo, BMW, just to name a few) using very high strength, extremely hard Usibor or BTH steel, then you need this cutter or a plasma cutter to cut through these exceedingly tough, ultra-hard materials. This spot weld drill bit features a special, three-fluted design and combines all of the benefits of TiN, TiAN, and TiCN coatings. Watch it cut through these unusually hard steels while other drill bits just dull. Not recommended for use in a drill, but are designed specifically for specialized spot weld cutting tools. This bit has an 8mm diameter cutting surface. List \$65.95 | **Sale \$51.25**



# HTP MIG Gun Parts



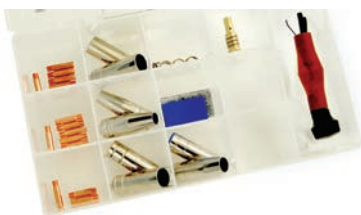
Illus #	Part #	Description	Price	Illus #	Part #	Description	Price
A	15023-10	.023" Contact Tips (Pkg 10)	\$5.00	I	15002	Swan Neck with Gas Diffuser	\$19.75
	15030-10	.030" Contact Tips (Pkg 10)	\$5.00		13002-DLT	Gas Diffuser	\$12.21
	15035-10	.035" Contact Tips (Pkg 10)	\$5.00	J	14009	Trigger Switch (Not Pictured)	\$15.50
B	15106	Spot Welding Nozzle	\$8.95		15008	Handle Assembly	\$19.75
C	15104	Cylindrical Nozzle	\$7.95	15040-16	Steel Liner	\$19.95	
D	15105B	Conical Nozzle (Pkg 3)	\$19.56	15044	Teflon Liner	\$24.46	
E	15108	Small Conical Nozzle	\$7.95	15100	10' MIG Welding Gun	\$107.95	
F	15500	Flexible Swan Neck	\$65.00	15510	10' Flexible Neck MIG Gun	\$117.95	
G	15058	Head Insulator Flex Swan Neck	\$6.95				
H	15062B	Nozzle Retaining Spring (Pkg 4)	\$5.95				

## HTP MIG Consumable Kit #50013

List \$128.50 | Sale \$90.95

Ever start to use your welder on a new project only to discover you need a new nozzle, tip, or other consumable part? You can avoid this frustration when you are prepared with the HTP MIG CONSUMABLE KIT, which contains the inventory you need to keep your welding equipment up and running smoothly. And best of all, these are genuine HTP replacement parts in a compartmentalized, clear plastic box marked with permanent part #'s to make ordering even easier. Your #50013-HTP MIG Welder Consumable Kit includes:

Part #	Qty	Description	Part #	Qty	Description
12025	1	Nozzle Reamer	15104	2	Cylindrical Nozzle
13002-DLT	1	Gas Diffuser	15108	2	Small Conical Nozzle
15023	6	.023 Contact Tips	15106	2	Spot Weld Nozzle
15030	6	.030 Contact Tip	12026	1	Wire Cleaner
15035	3	.035 Contact Tips	15062	5	Nozzle Springs
15105	2	Conical Nozzle			



## Consumable Kit for MIG 2400 List \$90.00 | Sale \$75.95

#50024HD for 24 Series Gun

Part #	Qty	Description	Part #	Qty	Description
24002-DIFHD	1	Gas Diffuser	24105	1	Gas Nozzle
24023	5	.023 Contact Tips	24104	1	Cylindrical Nozzle
24030	5	.030 Contact Tip	24108	1	Super Taper Nozzle
24035	5	.035 Contact Tips	24106	1	Spot Weld Nozzle
24045	5	.045 Contact Tips	12026	1	Wire Cleaner
24002-TH	1	Tip Holder			



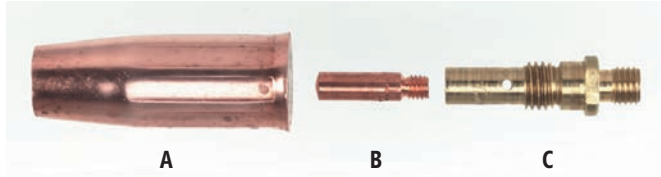
Free Shipping - All Orders Over \$35

# HTP MIG Gun Parts

Compatible with the following welding guns.

## CENTURY®

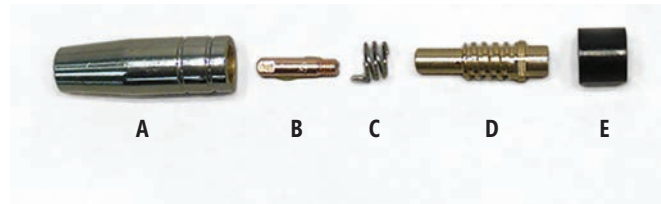
Used on Century® Quick Fix 75amp,110/90, 130, 131, 140, 150, 160, 200, 85 amp Dual Purpose, 105/90, 83071,83075, 83085, 83090, 83105, 83110, 83111, 83101, 83130, 83131, 83145



Illus #	Description	Part #	Price
A	Conical Nozzle Pkg 3	S4328B	\$19.71
	Spot Weld Nozzle	S4329	\$9.21
B	.023" Contact Tips Pkg 10	15023-10	\$5.00
	.030" Contact Tips Pkg 10	15030-10	\$5.00
	.035" Contact Tips Pkg 10	15035-10	\$5.00
C	Gas Diffuser Pkg 2	S4228-2	\$6.49
	Complete 10' MIG Gun	S4320T-10-15H	\$134.95
	Complete 10' MIG Gun	238-155-100	\$134.95

## HARBOR FREIGHT/CHICAGO ELECTRIC

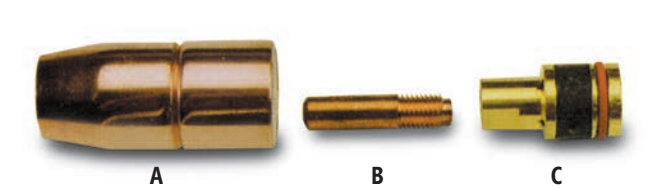
Used on Harbor Freight or Chicago Electric Dual MIG, Dual MIG 131 Model 36691, Dual MIG 151 Model 06271, Dual MIG 151T/2, Dual MIG 171 Model 93793, Dual MIG 94164, Dual MIG Model 97503, MIG 131 Model 06098, MIG 180 Model 68886, Power MIG 171-1 Model 36693



Illus #	Description	Part #	Price
A	Conical Nozzle Pkg 3	15105B	\$19.56
B	.023" Contact Tips Pkg 10	15023-10	\$5.00
	.030" Contact Tips Pkg 10	15030-10	\$5.00
	.035" Contact Tips Pkg 10	15035-10	\$5.00
C	Nozzle Springs Pkg 4	15062B	\$5.95
D	Gas Diffuser	13002-DLT	\$12.21
E	Head Insulator	14058	\$3.70
	Complete 10' MIG Gun	81295B	\$72.00

## HOBART®

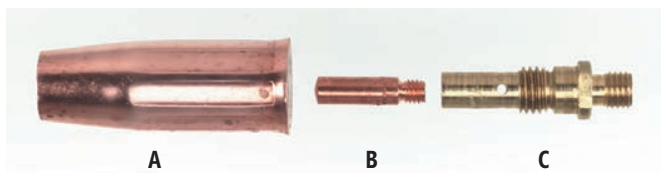
Fits H-9, H-10, M-10 and M-15 Welding Guns. Used on Handler® 125, 135, 140, 175, 180, 187, Beta MIG® 1800 500 series



Illus #	Description	Part #	Price
A	Gas Nozzle	770404-2 (Pkg 2)	\$6.98
B	.023" Contact Tip	770399-10 (Pkg 10)	\$5.00
	.030" Contact Tip	770398-10 (Pkg 10)	\$5.00
	.035" Contact Tip	770400-10 (Pkg 10)	\$5.00
C	Tip Adapter	770402	\$2.25
	Complete 10' MIG Gun	M195957SBE	\$89.95

## LINCOLN® Magnum 100L Welding Guns

Used on Easy-MIG 140, Easy-MIG 180, Easy-Core 125, Handy MIG 170i, Lincoln Pro MIG 135, MIG-PAK® 10, MIG-PAK 15, MIG-PAK 140, MIG-PAK 180, POWER MIG® 140C, POWER MIG® 140T, POWER MIG® 180C, POWER MIG® 180T, PRO 100, PRO 155, PRO-CORE 100, PRO-CORE 125, PRO-MIG 135, PRO-MIG 140, PRO-MIG 175, PRO-MIG 180, SP-85, SP-100, SP-100T, SP-125 Plus, SP-130T, SP-135 Plus, SP-135T, SP-140T, SP-155, SP-170, SP-170T, SP-175 Plus, SP-175T, SP-180T, WELDMARK 135 Plus, WELD-PAK® 100, WELD-PAK® 100HD, WELD-PAK® 125, WELD-PAK® 125HD, WELD-PAK® 140HD, WELD-PAK® 155, WELD-PAK® 175HD, WELD-PAK® 180HD, WELD-PAK® 3200HD, WELD-PAK® 5000HD, WORK-PAK® 125



Newer models tend to take the K530-6HTP gun. Please check your trigger connection to verify.

Illus #	Description	Part #	Price
A	Conical Nozzle Pkg 3	S4328B	\$19.71
	Spot Weld Nozzle	S4329	\$9.21
B	.023" Contact Tip Pkg 10	15023-10	\$5.00
	.030" Contact Tip Pkg 10	15030-10	\$5.00
	.035" Contact Tip Pkg 10	15035-10	\$5.00
C	Gas Diffuser Pkg 2	S4228-2	\$6.49
	Complete 10' MIG Gun	K530-5HTP Spaded Terminal	\$89.95
	Complete 10' MIG Gun	K530-6HTP 4 Pin Amph Plug	\$89.95

# HTP MIG Gun Parts

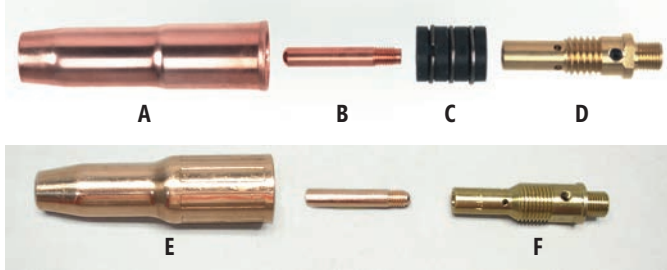
To see more MIG Gun replacement parts  
visit our online welding store at  
[www.USAWeld.com](http://www.USAWeld.com)

Compatible with the following welding guns.

## LINCOLN®

### Magnum® 250L Welding Gun Parts

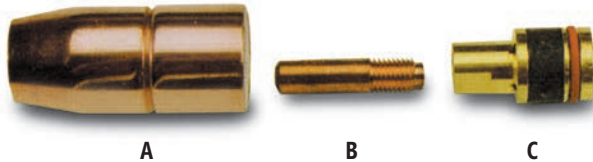
Used on SP-250, SP-255, Wire-Matic® 255, Power MIG® 255



Illus #	Description	Part #	Price
A	Conical Nozzle	22-50	\$6.96
B	.023" Contact Tip	1423-10 (Pkg 10)	\$4.38
	.030" Contact Tip	1430-10 (Pkg 10)	\$4.38
	.035" Contact Tip	1435-10 (Pkg 10)	\$4.38
	.045" Contact Tip	1445-10 (Pkg 10)	\$4.38
C	Insulator	32	\$2.88
D	Gas Diffuser	52	\$6.25
	Complete 12' MIG Gun	K533-7-12HTP15H	\$120.95
E	Fixed Nozzle	23-37	\$9.95
F	Fixed Gas Diffuser	52FN	\$6.25

## MILLER® H-10 & M15 Welding Gun Parts

Used on Millermatic® Challenger™, Challenger 172™ (S/N KK118238 and up), DVI™, Passport™, Passport™ Plus, Pulser™, 120 (S/N KF849783 and up), 130 (S/N KF853420 and up), 130XP (S/N KK110529 and up), 135, 140, 140 w Autoset, 150 (S/N KF849783 and up), 175, 180, 180 w Autoset, 185, Miller® Gold Seal™ GS420



Illus #	Description	Part #	Price
A	Gas Nozzle	M169715-2 (Pkg 2)	\$6.98
B	.023" Contact Tip	M087299-10 (Pkg 10)	\$5.00
	.030" Contact Tip	M000067-10 (Pkg 10)	\$5.00
	.035" Contact Tip	M000068-10 (Pkg 10)	\$5.00
	.045" Contact Tip	M000069-10 (Pkg 10)	\$5.00
C	Tip Adapter	M169716	\$2.25
	Liner .023"	194010	\$11.95
	Liner .030/035"	194011	\$11.95
	Complete 10' MIG Gun	M169589SBE	\$79.95

### Consumable Kit for

#### Miller H-10 & M15 Guns #50013-M15

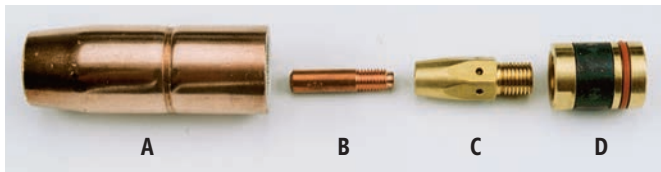
Retail \$49.95 | Sale \$27.90



Part #	Qty	Description
M087 299	5	.023 Contact Tips
M000 067	5	.030 Contact Tips
M000 068	5	.035 Contact Tips
M169 715	1	Gas Nozzle
M169 716	1	Tip Adapter/Gas Diffuser
12026	1	Wire Cleaner

## MILLER® M25/M25M/M40/M40AL Welding Gun Parts,

Used on Millermatic® 200, 210, 212, 250X, 250 (up to S/n KF851980), 250 (s/n KF851979 and up), 251, 252, Vintage®



Illus #	Description	HTP Part #	Price
A	Gas Nozzle	M169726-2 (Pkg 2)	\$14.98
B	.023" Contact Tip	M087299-10 (Pkg 10)	\$5.00
	.030" Contact Tip	M000067-10 (Pkg 10)	\$5.00
	.035" Contact Tip	M000068-10 (Pkg 10)	\$5.00
	.045" Contact Tip	M000069-10 (Pkg 10)	\$5.00
	Tip Adapter	M169728	\$3.50
D	Nozzle Adapter	M169729-2 (Pkg 2)	\$8.50
	Liner .023"	194010	\$11.95
	Liner .030/035"	194011	\$11.95
	Complete 12' MIG Gun	M169596	\$142.95



### Consumable Kit for

#### Miller M25/M25M/M40/M40AL Guns #50013-M25

Retail \$49.95 | Sale \$27.90

Part #	Qty	Description
M087 299	5	.023 Contact Tips
M000 067	5	.030 Contact Tips
M000 068	5	.035 Contact Tips
M000 069	1	.045 Contact Tips
M169 726	1	Gas Nozzle 5/8", Flush
M169 728	1	Contact Tip Adapter
M169 729	1	Nozzle Retainer
12026	1	Wire Cleaner

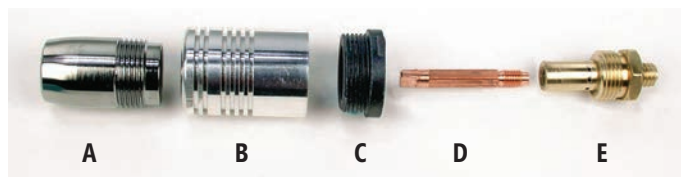


# HTP MIG Gun Parts

Compatible with the following welding guns.

## SNAP-ON® Spool Gun

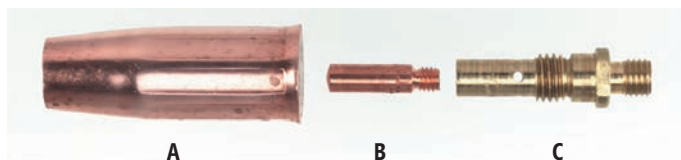
Used on Models MHG5A, MHG5B, and MHG5300



Illus #	Description	Part #	Price
A	Gas Nozzle	M5-C62	\$18.95
B	Nozzle Body	M5-NB	\$25.95
C	Insulated Bushing	M5-B	\$14.95
D	.023" Contact Tip	MG-T25	\$5.95
	.030" Contact Tip	MG-T30	\$5.95
	.035" Contact Tip	MG-T35	\$5.95
	3/64" Contact Tip	MG-T364	\$5.95
E	Gas Diffuser	M35-D	\$22.38

## SNAP-ON®

Used on YA205, YA205A, YA205B, YA217, YA217A, YA219, YA219A, YA219B, YA219C, YA240A

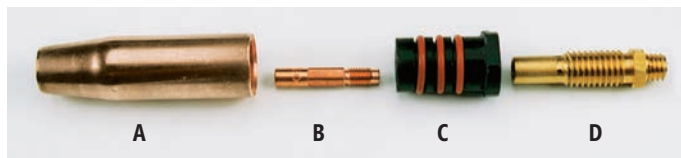


Illus #	Description	Part #	Price
A	Conical Nozzle Pkg 3	S4328B	\$19.71
	Spot Weld Nozzle	S4329	\$9.21
B	.023" Contact Tip Pkg 10	15023-10	\$5.00
	.030" Contact Tip Pkg 10	15030-10	\$5.00
	.035" Contact Tip Pkg 10	15035-10	\$5.00
C	Gas Diffuser Pkg 2	S4228-2	\$6.49
	Complete 10' MIG Gun	S4320T-10-15H	\$134.95

## SNAP-ON®

### 15TG Series Welding Gun Parts

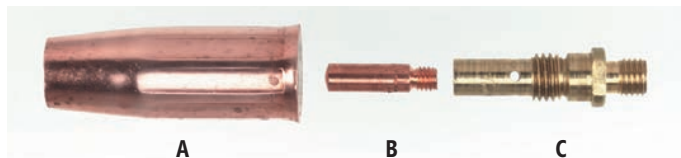
Used on FM140A, MM140SL, MM250SL, YA204, YA212A



Illus #	Description	Part #	Price
A	Gas Nozzle 1/2"	M3T-N50	\$15.95
B	.023" Contact Tip Pkg 5	M3-T25-5	\$13.00
	.030" Contact Tip Pkg 5	M3-T30-5	\$13.00
	.035" Contact Tip Pkg 5	M3-T35-5	\$13.00
C	Insulated Bushing	M3T-B	\$11.95
D	Gas Diffuser	M3T-D	\$14.95
	10' OEM MIG Gun	15TG10	\$291.95
	HTP Replacement Gun	15TG10-24	\$191.00

## SOLAR®

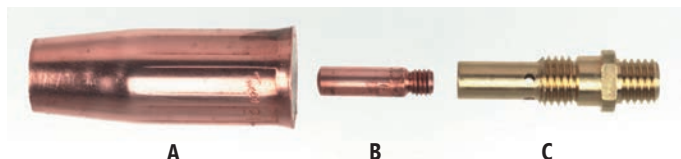
Used on Solar® 2110, 2114, 2115, 2120, 2125, 2130, 2140, 2150, 2160, 2175



Illus #	Description	Part #	Price
A	Conical Nozzle Pkg 3	S4328B	\$19.71
	Spot Weld Nozzle	S4329	\$9.21
B	.023" Contact Tip Pkg 10	15023-10	\$5.00
	.030" Contact Tip Pkg 10	15030-10	\$5.00
	.035" Contact Tip Pkg 10	15035-10	\$5.00
C	Gas Diffuser	S4228-2	\$4.00
	Complete 10' MIG Gun	S4320T-10-15H	\$134.95

## SOLAR®

Used on Solar® 2225



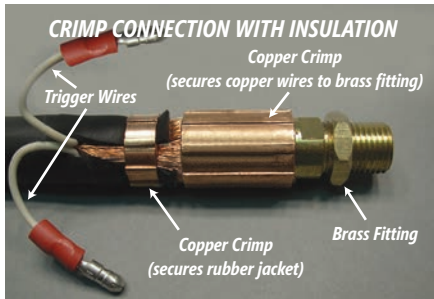
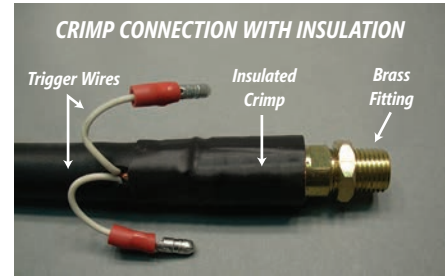
Illus #	Description	HTP Part #	Price
A	Conical Nozzle Pkg 3	S4328B	\$19.71
	Spot Weld Nozzle	S4329	\$9.21
B	.023" Contact Tip Pkg 10	15023-10	\$5.00
	.030" Contact Tip Pkg 10	15030-10	\$5.00
	.035" Contact Tip Pkg 10	15035-10	\$5.00
C	Gas Diffuser	334-363-000	\$52.95
	Complete 12' MIG Gun	S4320-24-12SBE	\$144.95

SNAP-ON is a registered trademark of the Snap-On Company. SOLAR® is a registered trademark of Century Manufacturing. HTP is not affiliated with Tweco Products Inc. HTP supplies high quality replacement parts manufactured by or for HTP to demanding specifications. The parts are designed to be interchangeable and compatible with the aforementioned companies, are not OEM parts and are not endorsed by the aforementioned companies.

# MIG Replacement Guns

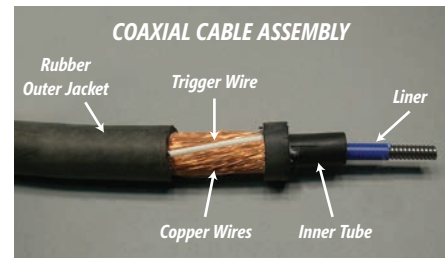
HTP replacement welding guns are made to the highest standards – after all, they are OEM on our welding machines! We have taken the design principles employed in HTP welding guns and applied them to many of the replacement guns we build for other welders.

You really have to dig deep into the gun to see the quality. Our crimp connections all use a high temperature shrink tubing to prevent the trigger wires from chafing against the crimp connection.



The crimp connection - key to good transfer of the welding current - uses high quality copper crimps and solid brass fittings and lock nuts. Some companies use steel to save money – not HTP.

And at right is a cutaway of the coaxial welding cable assembly:



You can see the liner, which has a plastic coating to prevent the shielding gas from running out the back of the gun, goes into the inner tube. The shielding gas runs down the outside of the liner and the inside of the inner tube. The copper wires which carry the welding current, and the trigger wires which activate the machine, are neatly wound around the inner tube. And the whole assembly is encased in a heat resistant, flexible rubber outer sheath.

And where do your air hoses fail? At the crimp connection, where you go from a flexible to a rigid connection. That is why HTP guns use a spring support system at both the handle and the machine end of the welding gun.



Our color coordinated handles are ergonomic, fit your hand better and are disassembled without any tools. And if you really want to make your welding easier, consider upgrading to the HTP Flex Neck Gun - we can outfit many of the guns we make with our flexible neck – great for exhaust work or building roll cages.

With HTP replacement guns you get the best of both worlds, a better than OEM quality gun at an affordable price. With over 30 years of experience in the welding field, we can custom build you a gun for virtually any machine. So don't throw that old welder away, put new life into it with a new HTP replacement welding gun.

# MIG Replacement Guns

*If you do not see your MIG welding machine make and model listed below, please give us a call at 800-USA-WELD to discuss your options.*

Description	Fits the following Models	HTP P/N	Price
10' HTP Replacement Gun for <b>Century</b>	Fits 117-008 Porta Mig, 117-014 Porta Mig II, 117-015 All Star, 117-021 90 Amp, 117-027 Pow'r Mate 75, 117-028 75 amp, 117-030 90 Amp, 117-032 Pow'r Mate Quick Fix, 117-034 83075, 117-038 90 Amp, 117-041 Pow'r Mate 90, 117-044 All Star, 117-050 83085, 117-051 83110 & 83111, 117-052 83105, 117-060 83070, 117-061 Pow'r Mate 83100, 117-063 PM-120, 117-064 Pow'r Mate 83101, 117-065 83130, 117-066 83131, 117-067 83132 & 83133, 117-069 83145, 117-070 83090	S4320T-10-15H	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Century</b>	117-076 (Century 125 GS, 125 GL, 83125 and 83126) 117-077 (Century 83136, 83137, 135 GL, and 135 GS) 117-078 (Century 83155, 83156, 155 GL, and 155 GS) 117-079 (Century 83170, 83171, 170GL, and 170 GS) 117-084 (Century 83155)	81295-T10	<b>\$77.00</b>
12' HTP Replacement Gun for <b>Century</b>	Fits 117-009 Maintenance Mig, 117-018 83225, 117-042 83225, 117-046 83226	S4320-24/12SBE	<b>\$144.95</b>
10' HTP Replacement Gun For <b>Clarke</b>	Fits Clarke 130EN, 160 EN and 180EN	81295-TCL	<b>\$82.95</b>
10' HTP Replacement Gun For <b>Clarke</b>	Fits Clarke 105, 100E, 110EN, 140EN, 150TE and 190EN	81295B	<b>\$72.00</b>
10' HTP Replacement Gun For <b>Clarke</b>	Fits Clarke 85EN, 90EN, 100EN, 105EN, 150EN and 151EN	81295B100EN	<b>\$89.95</b>
10' HTP Replacement Gun For <b>DAN MIG</b>	Dan Mig 140, 141, 142, 140-195, 140-200, 160, 165, 195, 200, 240, 255	15100	<b>\$107.95</b>
10' HTP Replacement Gun for <b>Dayton</b>	Fits 3Z913, 3Z913A, 3Z913B, 3Z913C, 3Z913D, 3Z913E, 5W527, 6Z935 6Z935A, 6Z935B, 6Z935C	S4320T-10-15H	<b>\$134.95</b>
12' HTP Replacement Gun for <b>Dayton</b>	3Z914, 3Z914A, 3Z914B, 3Z914C, 5Z136, 5Z136A	S4320-24-12SBE	<b>\$144.95</b>
10' HTP Replacement Gun for <b>Everlast</b>	Fits Power I-MIG 140E, 200E, 200	15100	<b>\$107.95</b>
10' HTP Replacement Gun for <b>Everlast</b>	Fits Power I-MIG 205, 205P	24100	<b>\$139.00</b>
10' HTP Replacement Gun for <b>Eastwood</b>	MIG 135 & MIG 175	K530-410HTP	<b>\$89.95</b>
10' HTP Replacement Gun for <b>ESAB</b>	Rebel EM 215ic, Rebel EMP 215ic, & Rebel EMS 215ic	ESAMM-10	<b>\$99.95</b>
10' HTP Replacement Gun For <b>Hobart 14A</b>	Fits Hobart Handler, Handler 120, Handler 150 and Mig-Man	700-13-H10	<b>\$159.95</b>
10' HTP Replacement Gun for <b>Hobart</b>	Fits Hobart Handler 130XL	M195605SBE	<b>\$79.95</b>
10' HTP Replacement Gun for <b>Hobart</b>	Fits Hobart Handler 135, 140, 175, 180, 187	M195957SBE	<b>\$89.95</b>
10' HTP Replacement Gun for <b>Hobart</b>	Fits Hobart Handler 190, 210, 210MVP	H245926	<b>\$89.95</b>
10' HTP Replacement Gun for <b>Hobart</b>	Fits Hobart Iron Man 210, Trek 180	M169589SBE	<b>\$79.95</b>
12' HTP Replacement Gun for <b>Hobart</b>	Fits Hobart Iron Man 210, 230, 250, 275, Beta Mig 2510, 2250	M169596	<b>\$142.95</b>
15' HTP Replacement Gun for <b>Hobart</b>	Fits Hobart Iron Man 210, 230, 250, 275, Beta Mig 2510, 2250	M169598	<b>\$157.95</b>
10' HTP Replacement Gun for <b>HTP</b>	Fits HTP Mini, Maxi, Versa, Auto, Econo Mig welders, HTP Mig 140, 160, 160DV, 1600, and 200	15100	<b>\$107.95</b>
10' HTP Replacement Gun for <b>Lincoln</b>	Fits SP-100, SP-100T, SP-125 Plus, SP-130T, SP-135 Plus, SP-135T, SP-170, SP-170T, SP-175 Plus, SP-175T, MIG Pak 10, MIG Pak 15, Pro 100, Pro 155, Pro-Core 100, Pro-MIG 135, Pro-MIG 175, Weldmark 135 Plus, Weld-Pak 100, Weld-Pak 100HD, Weld-Pak 125, Weld-Pak 155, Weld-Pak 175HD, Weld-Pak 3200HD, Weld-Pak 5000HD	K530-5HTP	<b>\$89.95</b>
10' HTP Replacement Gun for <b>Lincoln</b>	Fits SP140T, SP-180T, Easy Core 125, Easy Core 140, Easy Mig 140, Easy Core 180, Mig Pak 140, Mig Pak 180, Pro Core 125, Pro Mig 140, Pro Mig 180, Weld Pak 125HD, Weld Pak 140HD, Weld Pak 180HD, Work Pak 125, Power Mig 140, Power Mig 140C, Power Mig 140T, Power Mig 180, Power Mig 180C, Power Mig 180T, Power Mig 180 Dual	K530-6HTP	<b>\$89.95</b>
10' HTP Replacement Gun for <b>Lincoln</b>	Fits SP-150 and SP-200	LE100	<b>\$134.95</b>
12' HTP Replacement Gun for <b>Lincoln</b>	Fits Power Mig 200, 215, 216, 255, 255XT, 256, Wire Matic 255	K533-7-12HTP15H	<b>\$120.95</b>



# MIG Replacement Guns

Description	Fits the following Models	HTP P/N	Price
10' HTP Replacement Gun for <b>Longevity</b>	Fits ProMTS 200i	15100	<b>\$107.95</b>
10' HTP Replacement Gun for <b>Longevity</b>	Fits ProMTS 252i, MIGWELD 250 MP	24100	<b>\$139.00</b>
10' HTP Replacement Gun for <b>Mac Tools</b>	Fits WS007K, WS117, WS117K, WS120	S4320T-10-15H	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Mac Tools</b>	Fits MW100, MW130, MW130A, MW145, MW145A, MW150, MW150K	M195605SBE	<b>\$79.95</b>
10' HTP Replacement Gun for <b>Mac Tools</b>	MW165, MW165A, MW175, MW 135X, MW 175X, MW185 Plus	M195957SBE	<b>\$89.95</b>
10' HTP Replacement Gun for <b>Mac Tools</b>	MW 145N, MW 185N	15100	<b>\$107.95</b>
12' HTP Replacement Gun for <b>Mac Tools</b>	WS 225K	S4320-24-12SBE	<b>\$144.95</b>
12' HTP Replacement Gun for <b>Mac Tools</b>	MW 225, MW 250, MW 260X, MW 270 Plus, MW 275	M169596	<b>\$142.95</b>
12' HTP Replacement Gun for <b>Mac Tools</b>	MW275N	24120	<b>\$149.00</b>
10' HTP Replacement Gun for <b>Marquette</b>	Fits 12-175, 12-185, M02160	S4320T-10-15H	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Marquette</b>	Fits M02155 and M02185	81295-T10	<b>\$77.00</b>
10' HTP Replacement Gun for <b>Marquette</b>	Fits M12190, M12184 and M12208	15100-12190	<b>\$135.00</b>
10' HTP Replacement Gun for <b>Marquette</b>	Fits M02170	14440413	<b>\$135.00</b>
10' HTP Replacement Gun for <b>Matco</b>	Fits WFFC, WFW1, WFW140, WFWM, WFWMDP, WFWT	S4320T-10-15H	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Matco</b>	MG 145, MG 180	15100	<b>\$107.95</b>
10' HTP Replacement Gun for <b>Miller</b>	Fits Cricket, Sidekick	M195605SBE	<b>\$79.95</b>
10' HTP Replacement Gun for <b>Miller</b>	Fits Challenger, Challenger 172, Cricket XL, DVI, Passport, Passport Plus, Sidekick XL, Millermatic 90, 120, 130, 130XP, 135, 140, 140 Autoset, 175, 180, 180 Autoset	M195605SBE	<b>\$79.95</b>
10' HTP Replacement Gun for <b>Miller</b>	Fits Millermatic 150, 185, 211 Autoset	M169589SBE	<b>\$79.95</b>
12' HTP Replacement Gun for <b>Miller</b>	Fits Millermatic 35 s/n JA448186 and up, 200, 210, 212, 250, 250X, 251, 252, and Vintage	M169596	<b>\$142.95</b>
10' HTP Replacement Gun for <b>Pro Spot</b>	PR-155 Model 1, PR-205MV, SP-2, SP-5, & SP-5.3	15100	<b>\$107.95</b>
10' HTP Replacement Gun for <b>Pro Spot</b>	PR-155 Model 2	15100-12190	<b>\$135.00</b>
10' HTP Replacement Gun for <b>Snap-On</b>	Fits YA-203, YA-205, YA-205A, YA-205B, YA-217, YA-217A, YA-219, YA-219A, YA-219B, YA-219C, MW 120, MW 220	S4320T-10-15H	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Snap-On</b>	Fits Mig 115, 125, 135 and Blue Point MB-135	15100-12190	<b>\$135.00</b>
10' HTP Replacement Gun for <b>Snap-On</b>	Fits FM-140A, YA-204, YA-204A, YA-204B, YA-204C, YA-212, YA-212A, YA-212A-IND, MM140-SL, MM250-SL	15TG10-24	<b>\$191.00</b>
12' HTP Replacement Gun for <b>Snap-On</b>	Fits YA-240, YA-240A, and YA-240B	S4320-24-12SBE	<b>\$144.95</b>
10' HTP Replacement Gun for <b>Solar</b>	Fits Solar 2110, 2114, 2115, 2120, 2-125, 2125, 2130, 2140, 2150, 2160, 2-175, 2175	S4320T-10-15H	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Solar</b>	Fits Solar 165 and 2165	15100	<b>\$107.95</b>
10' HTP Replacement Gun for <b>Solar</b>	Fits Solar 2145, 2155, 2185	81295-T10	<b>\$77.00</b>
12' HTP Replacement Gun for <b>Solar</b>	Fits Solar 2225	S4320-24-12SBE	<b>\$144.95</b>

## HTP Striker™ Digital Helmet

#90131-DIG4

**\$139.95**

Our Striker Digital Welding Helmet features a **large viewing area at 3 7/8" x 3 5/32" - a whopping 12 1/4" square inches!** Compared to our competition, you get all of the high end features **without** the high end price. The Striker Digital includes a welding mode, along with a cutting and grinding mode, with precise digital control over all welding parameters.

Four arc sensors mean the helmet never loses sight of the arc, which enables the helmet to see the arc even in the toughest welding situations. Two replaceable Lithium batteries (CR2450) and a solar battery extender provide exceptional battery life, and a built-in magnifier adapter means you can use any standard magnifier without purchasing additional accessories. We back the Striker Digital Welding Helmet with a 2-year warranty.

<b>Welding Shade</b>	9 through 13
<b>Welding Sensitivity</b>	1 through 10
<b>Opening Delay</b>	1 through 10 (0.2 Sec to 1.0 Sec.)
<b>Cutting Shade</b>	5 through 8
<b>Cutting Sensitivity</b>	1 through 10 (0.2 Sec to 1.0 Sec.)
<b>Grinding Shade</b>	5 through 8



## HTP Striker™ XXL Helmet

#90131-XXL

**\$139.95**

Our Striker XXL welding helmet features our largest viewing area to date - an amazing **13.6 square inches of viewing area!** With the Striker XXL, you also get a wider range of welding shades, from as low as a shade 5 up to a shade 13, a grind mode, with a shade level 4, a new, lighter headgear, a delay setting, and adjustable sensitivity.

External controls enable you to easily find your perfect settings without the need to take off the helmet to make the adjustments. Four arc sensors, which let the Striker XXL see the arc even in the toughest welding situations, two Lithium batteries (CR2032), solar cells, and a sleep feature, which puts the helmet into sleep mode after 15 minutes of inactivity, guarantee endless hours of welding in comfort and safety. We back the Striker XXL with a 2-year warranty.





# HTP Striker™ Supreme/Supreme XL Welding Helmet



## Striker Supreme Welding Helmet

90131-SB	Matte Black	\$89.95
90131-SCF	Carbon Fiber	\$89.95
90131-SB-01	Front Cover Lens	\$1.90
90131-SB-03	Inside Cover Lens	\$1.90

## Striker Supreme XL Welding Helmet

90131-SBXL	Gloss Black	\$119.95
90131-SCFXL	Carbon Fiber	\$119.95
90131-01SXL	Front Cover Lens	\$1.90
90131-02SXL	Inside Cover Lens	\$1.90

Our **Striker Supreme/Supreme XL** welding helmet offers excellent protection and unbeatable clarity at an unbelievable price. In fact, the Striker Supreme/Supreme XL earned an **optical clarity rating of 1/1/1/1**, the best possible optical clarity rating for auto-darkening welding lenses. Graded on a scale of 1 to 3, with 1 being the best grade and 3 being the worst, the Striker Supreme/Supreme XL achieved excellence in all four classes of optical clarity - optical (or accuracy of vision), diffusion of light, variation of luminous transmittance, and angle dependence on luminous transmittance.

The Striker Supreme welding helmet features a **3.94" x 2.56" (over 10 square inch) viewing area**, while the Striker Supreme XL welding helmet features a **3.94" x 2.87" (over 11 square inch) viewing area**; the generous viewing area offered on both helmets enables you to easily see your workpiece. Two welding modes allow you to set the variable shade level from shade level 4 to shade level 8 on the first setting and from shade level 9 to shade level 13 on the second setting. **Infinitely adjustable sensitivity, four infrared sensors, and a light-state to dark-state reaction time of 1/30,000 of a second**, protect your eyes the second you strike an arc. You can also **adjust the delay time**, or the amount of time the lens takes to switch from the dark-state back to the light-state, from 0.3 seconds when set at Short to 0.9 seconds when set at Long. A **grinding mode** allows you to lock the lens into the light-state (a shade level 3) for plasma cutting, oxy-acetylene cutting, or grinding.



The Striker Supreme/Supreme XL welding helmet features a fully adjustable headgear with cushioned headband, weighs in at only 17.6 ounces, and features both solar cells and a replaceable Lithium CR2450 battery, ensuring endless hours of welding, cutting, and grinding in comfort and clarity.



## Optrel vegaview2.5 Helmet

A helmet like no other, the **vegaview2.5** features the latest in cutting edge technology - a 2.5 light-state shade level. **The vegaview's 2.5 light-state shade level** blows the industry standard 4.0 light-state shade level away and allows for 23% light transmission as opposed to the competition's 5% light transmission - a whopping 400% light transmission increase. The brighter and clearer field of vision offered by the **Optrel vegaview2.5**, overall, enables a safer and more efficient working environment. Not to mention, **infinite shade level selection**, from level 8 through 12, and **infinite delay adjustment**, between 0.1s and 1.0s, allows fully customizable protection.

The **vegaview2.5** includes a **True Color Filter**, which enables you to easily see your welding equipment LED through the helmet lens in realistic color. **Three sensors and a variable detection angle** enable light to dark switching in a snap—0.100ms at room temperature. Two replaceable, 3V Lithium batteries (CR2032) and a light-weight design—the **vegaview2.5** weighs in at only 17 ounces—ensures nearly endless hours of crystal clear, comfortable welding. Suitable for all welding applications, as well as plasma cutting and grinding. When you purchase a vegaview2.5, the package includes an extra front cover lens and a convenient storage bag. Compatible with Optrel's e3000 PAPR system.

**The vegaview2.5 meets CE, ANSI, EAC, and CSA standards.**

**Optrel backs the vegaview2.5 with a two-year, extendable warranty (excludes batteries). To receive an additional year of warranty, for three years of coverage, simply register your product online at <http://register.optrel.com> within the first six (6) months after purchase.**

1006.600

**vegaview2.5 helmet**

**\$269.00**



Made in  
Switzerland.



## Optrel Panoramaxx Helmet

Always at the forefront of technology, Optrel presents the newest edition to their superb lineup of auto-darkening welding helmets - the Panoramaxx. For the first time ever, Optrel offers a **panoramic field of vision** with the Panoramaxx! Optrel achieved a panoramic field of vision with a nose cutout which brings the ADF lens closer to your eyes; the cutout, in essence, makes the frame nearly imperceptible to you and offers a visual field 6-times larger than that of any other welding helmet available today. The amazing Panoramaxx also features an **Autopilot function, which enables fully automated shade adjustment** from shade level 5 to shade level 12. In Autopilot mode, a 5-sensor array detects the arc's brightness and adjusts the shade level accordingly. With Autopilot deactivated, you can manually adjust the shade level from shade level 7 to shade level 12. The multi-sensor array also enables a superfast light to dark switching time - an amazing 0.090 ms at room temperature!

Like the popular Optrel vegaview2.5, the Panoramaxx includes a **True Color Filter** (a UV/IR filter), which enables you to easily and clearly see your welding equipment LED through the helmet lens in realistic color. Also like the vegaview2.5, the Panoramaxx features an impressive 2.5 light-state shade level. Optrel broke the mold once again with a **brand new, rechargeable Lithium-polymer energy pack**. The energy pack coupled with solar cells and a lightweight design - the Panoramaxx weighs in at only 18.7 oz. - will keep you welding, both comfortably and safely, for hours on end.

When you purchase an Optrel Panoramaxx, the package includes the following: welding helmet, storage bag, USB to micro-USB charging cable, one front cover lens, user/operator manual, and warranty card. The package **DOES NOT** include an AC adapter for the charging cable.

**The Panoramaxx meets CE, ANSI, EAC, and CSA standards.**

**Optrel backs the Panoramaxx with a two-year, extendable warranty (excludes batteries). To receive an additional year of warranty, for three years of coverage, simply register your product online at <http://register.optrel.com> within the first six (6) months after purchase.**



1010.000  
**Panoramaxx helmet**  
\$389.00



Made in  
Switzerland. 

# HTP America Inc.

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**California Prop 65**  **Warning** – Welding and cutting equipment, accessories, and fumes can expose you to chemicals, including Chromium (Hexavalent Compounds), Lead, and Nickel, which are known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information, please visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Inverarc 200 TLP

**Looking for a compact and light-weight stick welder capable of running SMAW (stick) and GTAW (TIG), as well as SMAW-P (pulsed stick) and GTAW-P (pulsed TIG)? Then look no further than the HTP Inverarc 200 TLP!**

The Inverarc 200 TLP package includes the power source, the electrode holder and cable assembly, the ground clamp and cable assembly, and a travel bag. We also set the machine up with a NEMA 6-50P plug, as the Inverarc 200 TLP operates on single-phase, 230V power. The compact design of the power source, along with the convenient travel bag, make the Inverarc 200 TLP perfect for a multitude of welding applications in virtually any location!



***For more information, please turn to Page 9.***

 **Made in Italy.**