

SilverEX[®]

ELECTRODE

Enhance Your Mechanized Plasma Cutting Operation.

FASTER CUTTING! LONGER LASTING! IMPROVED PRECISION!

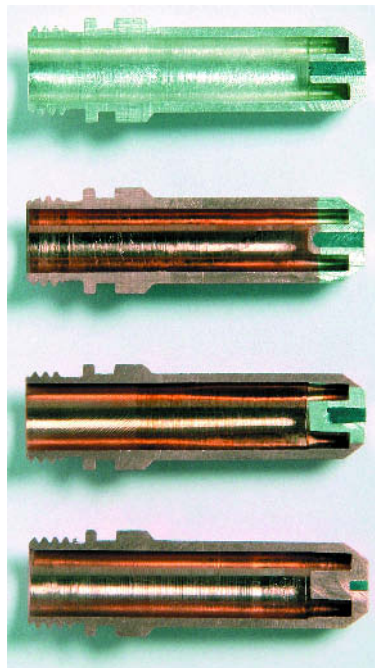


Thermacut[®]

Advanced Consumables

Providers of Advanced Cutting and Welding Consumables Worldwide.

Here's Why SilverEX[®] Electrodes Are Simply Better.



SilverEX[®] Electrode
Silver from end to end.

Sample A
Copper electrode with an added silver tip.

Sample B
Copper electrode with a silver tip insert.

Sample C
Ordinary copper electrode without any silver content.

Our **SilverEX[®] Electrode** technology utilizes a hafnium insert that is up to three times longer than ordinary copper electrodes. The **SilverEX[®] Electrode** exposes one end of the hafnium insert in direct contact with cooling fluids to provide a cooler running cutting operation.

Adding silver onto a copper base electrode improves performance but the connection actually creates resistance and a loss of power as the electrical current attempts to transfer from one metal to another. Compared to **SilverEX[®] Electrode** technology, the copper/silver combination doesn't really cut it!

SilverEX[®] Electrodes are made for heavy-duty, mechanized cutting applications. The combination of faster cutting speed and better heat transfer makes this an extremely cool running electrode. You'll experience your greatest payback when cutting materials from 1/4" to 2". The higher the power factor, the greater the advantage of **SilverEX[®] Electrodes**.

The fact is, silver conducts electricity better than copper. So Thermancut engineered an electrode from end to end using solid, pure silver and combined it with special alloys (that's a secret!) to increase overall durability. The cutting results are simply amazing! Because more power is delivered directly to the cut, you can dramatically increase your cutting speed up to 40%!

More power, more speed.

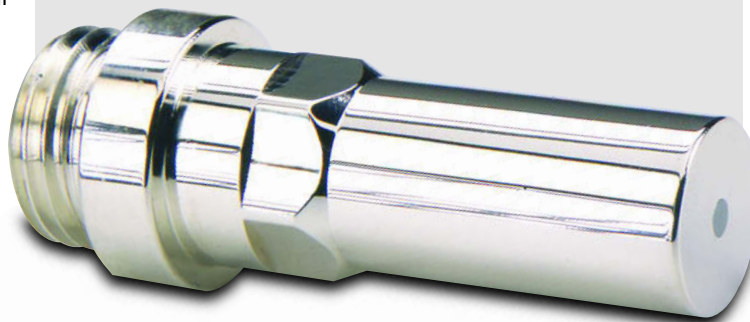
But silver has another unique property. It transfers heat better than copper which means your torch with a SilverEX[®] Electrode will run cooler. The cooler your torch operates, the longer all of your consumables will last.

Run cooler, run longer.

So what happens when your torch head is running faster and cooler? You get better cuts! Your kerf widths are tighter, angles are better and since you're removing less material, you'll have less slag to clean up.

Better precision, better production.

Of course, seeing is believing. How much faster can you cut with SilverEX[®] Electrodes? Take the Speed Test Challenge described on the next page and see for yourself. But first, call your friendly Thermancut distributor for a free sample of SilverEX[®] Electrode.



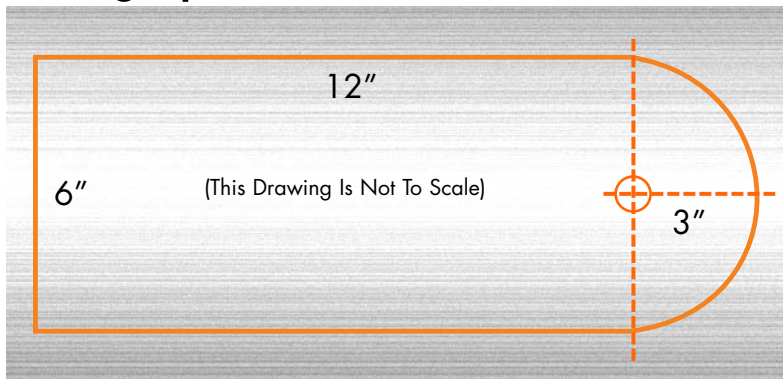
"With the others, it's 4-6 hours per electrode on 3/4"-1" plate. Now, it's 12 hours with the SilverEX[®] Electrode, 14% faster cutting speeds and better cuts! It's an easy choice."

Marc LeBlanc, 7 year Plasma Operator, Woods Equipment, Gardner, MA



The Speed Test Challenge: How Fast Can You Cut? How To Optimize SilverEX® Cutting Speed.

- 1 Program and set-up equipment to make five cut samples of the above diagram with the following measurements: Width 6", Radius 3", Length 12". Start by making the first cut at normal speed with your present electrode. Then change the electrode to the new SilverEX- Electrode for the next four cuts.
- 2 For the second sample, increase cut speed by 15% over the first sample. For the third sample, increase the cut speed by 20% over the first sample. For the fourth sample, increase the cut speed by 25% over the first sample. For the fifth sample, increase the cut speed by 30% over the first sample.



- 3 Remember to identify and mark each part with the cutting speed. After cutting the samples, examine each one to determine the most efficient speed. You will notice as the speed was increased, the cutting improved with less bottom plate dross. The faster you run, the more premium the cut. Also ensure you measure the sample parts because the kerf widths will decrease the faster you run. By making the sample parts described above, you will be able to determine how superior the cut is on a forward cut, a back cut as well as cutting a radius.

SilverEX- Cutting Speed Gains Comparison Chart:

Plate Thickness	Factory IPM	SilverEX-IPM +15%	SilverEX-IPM +20%	SilverEX-IPM +30%
1/2"	80	92	96	104
5/8"	70	80.6	84	91
3/4"	55	63.25	66	71.5
1"	35	40.25	42	46.5
1-1/4"	22	25	26	29

Mild steel with oxygen, 200 Amp

Discover the advantages of
SilverEX- Electrodes
and improve your bottom line.



SilverEX[®]

ELECTRODE

Introducing SilverEX[®] Electrodes, from our EX-TRAFIRE[®] brand of superior performance plasma cutting consumables! SilverEX- Electrodes feature the highest silver content of any electrode with a large hafnium insert designed to enhance your mechanized plasma cutting operation.

LET US PROVE IT TO YOU!

See inside for a simple series of test cuts that will show how SilverEX- Electrodes are simply better.

OEM	TORCH	Amperage	SilverEX- #	Availability
ESAB [®]	PT15XL [®]	260	20763XL AG	Yes
ESAB [®]	PT15XL [®]	300-360	35666XL AG	Yes
ESAB [®]	PT19XL [®]	250	34086XL AG	Yes
ESAB [®]	PT19XL [®]	300-360	35886XL AG	Yes
ESAB [®]	PT600 [®]	250	0558001624 AG	Yes
ESAB [®]	PT600 [®]	360-400	0558002516 AG	Yes
ESAB [®]	PT24 [®]	100	21539 AG	Call Us!
HYPERTHERM [®]	MAX200 [®]	200	020664 AG	Yes
HYPERTHERM [®]	HT2000 [®]	200	020664 AG	Yes
HYPERTHERM [®]	HT400 [®] HT4000 [®] HT4001 [®]	260	020663AG	Yes
HYPERTHERM [®]	HT4001 [®]	340	120090AG	Yes
HYPERTHERM [®]	HT4400 [®]	200	120793 AG	Yes
HYPERTHERM [®]	HT4400 [®]	300	120802 AG	Yes
HYPERTHERM [®]	HT4400 [®]	400	120810 AG	Yes
KJELLBERG [®]	HiFocus 160i [®]	160	11.843.021.310 AG	Yes
KJELLBERG [®]	HiFocus 160i [®]	130	11.834.321.3001 AG	Call Us!
KJELLBERG [®]	HiFocus 160i [®]	130	11.835.221.3101 AG	Call Us!
KJELLBERG [®]	HiFocus 160i [®]	130	11.835.421.3101 AG	Call Us!
KJELLBERG [®]	HiFocus 160i [®]	160	11.843.121.310 AG	Call Us!



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Thermacut, Inc. is not affiliated with the above-named manufacturers. References to the above-named manufacturers, torches and reference numbers are for convenience only. Most Thermacut parts are made for or by an IBG company.



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