

SILVER PRO **ELECTRODE WITH** **SILVER INSERT** **SUITABLE FOR** **HYPERTHERM®**

THERMACUT INTRODUCES A NEW LINE OF REPLACEMENT ELECTRODES WITH **SILVER PRO** TECHNOLOGY

INCREASE THE PERFORMANCE OF YOUR PLASMA CUTTING SYSTEM BY USING OUR NEW LINE OF SILVER PRO ELECTRODES.

Thermacut's new Silver PRO electrodes are the optimal combination of a copper electrode body and silver-pro insert.

Our solid silver insert conducts the flow of electricity extremely well and simultaneously dissipates the heat of the plasma arc better than standard electrodes, resulting in longer electrode life.

The up-time of the entire plasma cutting system is lengthened by using our Silver PRO technology and delays related to consumable change-outs are greatly reduced.

Increase your productivity and reduce downtime by using our Silver PRO technology.



Pict. No. 1: Construction of the Silver PRO electrodes

WHY CREATE A SILVER PRO ELECTRODE WITH A COPPER BODY AND SILVER INSERT?

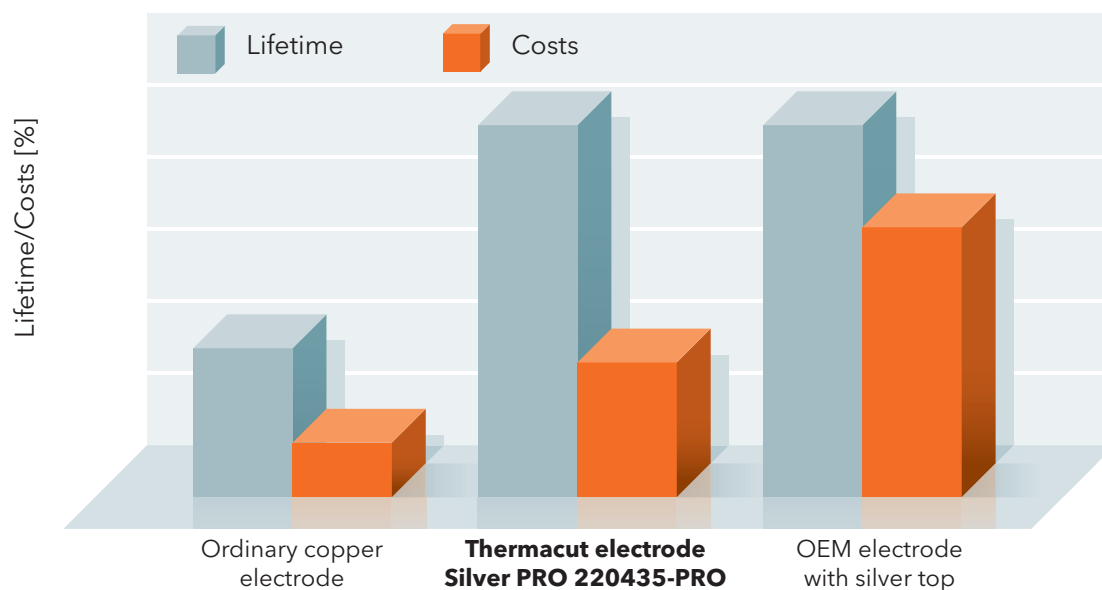
Silver conducts both electricity and heat very well. The pure silver is usually used as an alloy with additional metals which improve its mechanical qualities (hardness and solidity). The disadvantage of using pure silver is its high cost as a material, which increases the final price of the consumable. However, it is very advantageous to use silver near the hafnium insert and thus provide superior cooling. Therefore, use of the silver insert (Silver PRO) is the optimal design solution: the silver insert improves cooling and delivers a powerful plasma arc while the copper electrode body helps to lower the overall cost of the consumable. While the all-silver electrode still retains its advantage of the ultimate in cutting speed and overall life, the Silver PRO electrode represents a strong-improvement over standard electrodes at a lower cost than the all-silver electrode design.

WE DEVELOPED THE **SILVER PRO** ELECTRODE TO HELP YOU LOWER PRODUCTION COSTS

EXAMPLE OF PRODUCTION COSTS COMPARISON WHEN USING THE **SILVER PRO** ELECTRODE, A COPPER ELECTRODE, AND AN OEM ELECTRODE FOR SYSTEM HPR*130/HPR*260

	Thermacut Silver PRO electrode 260 Amp	Copper electrode 260 Amp	OEM electrode with silver top 260 Amp	Savings comparison
Number of electrode / nozzle sets used	1	2	1	More than 50% savings with Silver PRO comparing to the ordinary copper electrode
Number of meters cut based on total sets used	600-800 m Thickness: 20-30 mm MS	600-800 m Thickness: 20-30 mm MS	600-800 m Thickness: 20-30 mm MS	50% more productivity with Silver PRO without downtime comparing to the ordinary copper electrode
Number of consumable change-outs	1	2	1	Reduction of change-outs: 50% less with Silver PRO comparing to the ordinary copper electrode
Downtime during consumable change-outs	1 × 5 min. = 5 min.	2 × 5 min. = 10 min.	1 × 5 min. = 5 min.	Decrease downtime with Silver PRO: 50% less comparing to the ordinary copper electrode

GRAPH: COMPARISON OF COST AND LIFETIME WHEN USING OUR **SILVER PRO** ELECTRODE VS A STANDARD COPPER OR OEM ELECTRODE:



Values in the chart are an example of life test and cost savings when using Thermacut products.

THE THERMACUT DIFFERENCE: THERMACUT PROVIDES YOU WITH THE CARE YOU NEED FOR YOUR COMPLEX PLASMA CUTTING SYSTEM

Your plasma cutting system is a complex piece of equipment. Thermacut offers not only replacement consumables, but also replacement torches and leads. We also offer you advice and training from our experienced Thermacut specialists to help you get the most out of your equipment.

OUR GOAL IS TO PROVIDE A COMPLETE CARE NETWORK FOR OUR CUSTOMERS, INCLUDING:

- Free consumable samples: put our consumables to the test on your plasma cutting system.
- **For more information please call: +420 556 423 440.**
- Supply our customers with a complete range of consumables, torches, and leads.
- Free introductory training for your plasma cutting operator.
- Providing free inspections of your torches and lead assemblies.
- Provide repairs for your damaged torches and lead assemblies.
- Training based on the most commonly-used plasma cutting systems in our lab.
- Additional products for use in the metal-cutting industry including laser and oxy-fuel.
- Control of technical conditions of cutting system.
- Measuring of conductivity of the coolant.

REASONS TO BUY THERMACUT PARTS:

- Our quality is equal to OEM quality, but with a much more reasonable cost.
- Our Sales Representatives not only assist you with purchasing our products, but are also technically trained and able to provide troubleshooting help as well as advice be it over the phone or on-site.
- We are able to provide you with not just consumables, but also replacement torches and lead assemblies.
- We offer the ability to repair your worn or damaged torch and lead sets.
- We can provide technical training focused on the most commonly-used plasma cutting systems.