

m³ plasma[™] **PT-36 Micro Nozzle Series**

PRECISION THIN PLATE CUTTING PERFORMANCE



Micro Nozzles

for the PT-36 Precision Plasmarc® Torch.

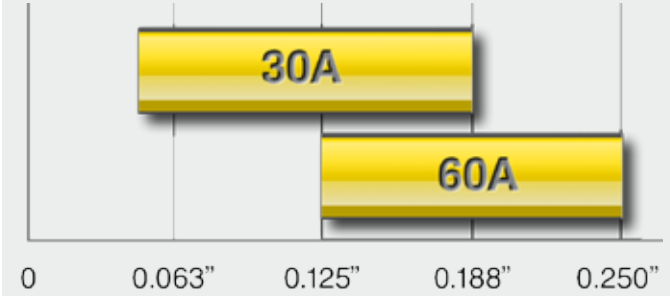
ESAB continues to advance Precision Plasma Technology

ESAB introduces the new Micro Nozzle Series of Precision Plasmarc™ cutting nozzles for the PT-36 torch. The innovative nozzle design improves cutting quality for thin materials, providing "near laser" quality at a fraction of the cost.

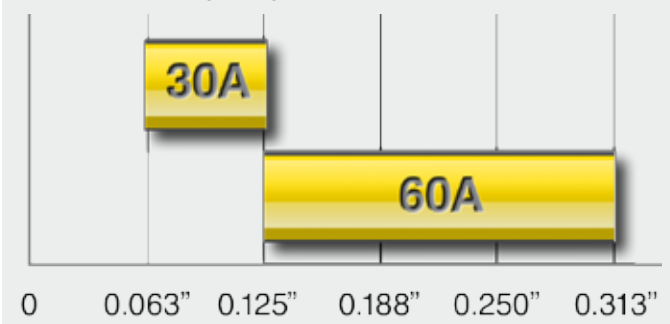
High Arc Density

Micro Nozzle technology further constricts the plasma arc to produce narrow kerf width and high arc density, resulting in cut quality approaching that of lasers. This gives plasma cutting machines the flexibility to produce high precision cut parts at a lower cost than laser. Cut parts will meet or exceed ISO 9013:2002(e) range 3.

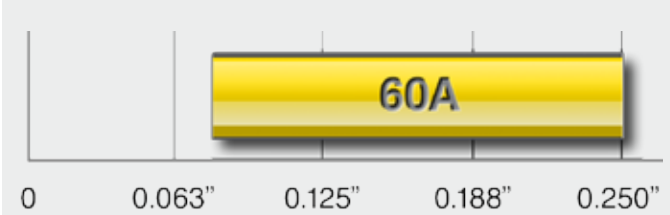
Carbon Steel Cutting Range



Aluminum Cutting Range



Stainless Steel Cutting Range



Widest Range of Cutting Capabilities

ESAB's m3 plasma™ is a simple yet powerful plasma cutting and marking system, featuring the widest range of cutting capabilities in the industry. ESAB created Micro Nozzle technology to compliment this range of capabilities, providing the highest quality cutting and marking capability for materials from 0.040" up to 0.250". The m3 plasma™ system features one torch with a choice of four power supplies to meet a variety of cutting needs. Each of the power supplies is capable of cutting from its maximum amperage all the way down to 30 amps, and plasma marking down to 12 amps. This allows the PT-36 torch to cover the entire range of plasma cutting, from gauge material up to 6" thick.



The new Micro Nozzle Series includes four nozzles, two shields, and one electrode.

The Micro Nozzle series feature an optimized geometry for thin plate, low amperage, precision cutting. The new nozzle and shield combination works together to provide the best cut quality on mild steel from 0.040" up to 0.250", Stainless Steel from 0.080" to 0.250", and Aluminum from 0.060" up to 0.313". Mild steel cutting uses Oxygen cut gas with an Oxygen/Nitrogen mixed shield. Stainless is cut with F5 cut gas and Nitrogen shield. Aluminum cutting uses Nitrogen cut gas with a Nitrogen/Methane mixed shield. The m3 plasma™ flow control takes care of automatically mixing shield gases, so setup is a breeze.

Thin Plate Cutting Quality



High quality cutting on thin Stainless Steel, like this 1/8" sample, is easily achieved with the new Micro Nozzles.



Micro Nozzles achieve the best cut quality on thin materials, such as this 1/4" thick flange.

Precision

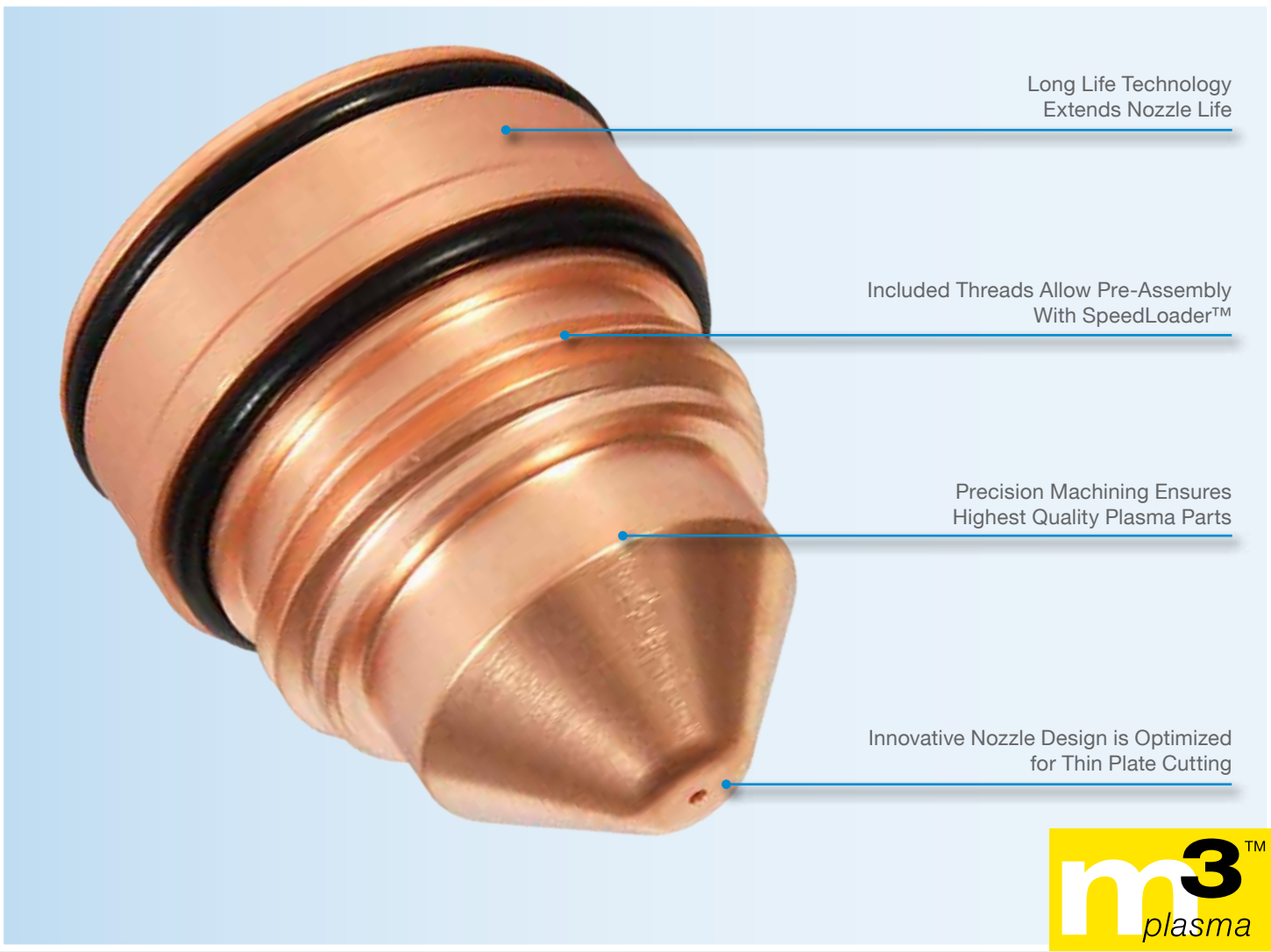
- The PT-36 Precision Plasmarc® torch offers high-arc density cutting for the most accurate plasma cutting.
- The new Micro Nozzle Series improves cut quality and extends the cutting to the low end, providing better cut quality on a wider range of materials.

Versatility

- The PT-36 is the most versatile torch, allowing multi-gas, water injection, precision thin plate, and heavy-duty thick plate cutting, and plasma marking.
- The new Micro Nozzle Series increases the capabilities of the PT-36, so you can cut thinner material with near laser cut quality.

Value

- The Micro Nozzle Series extends the cutting thickness range on the low end, so you can cut thinner material with the same plasma power supplies.
- Cut quality approaching laser is achieved at a fraction of the cost, reducing your overall cost-per-part.



ESAB Cutting Systems

Productivity - Service - Reliability



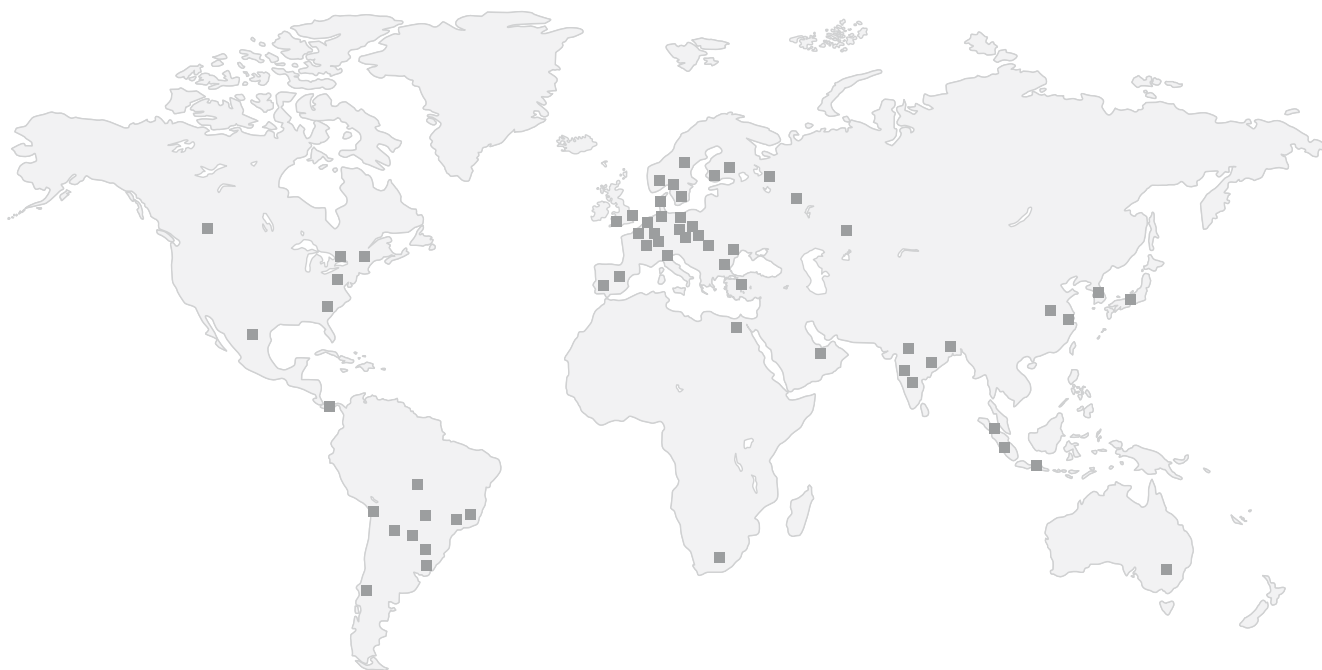
When you buy ESAB, you get more than just a machine. You get an experienced and dedicated partner supporting you throughout the life of your machine.

We are committed to exceeding your expectations of after-sales service and support, to providing an efficient supply chain for

spares, wear and consumables; and to offering a comprehensive range of services and products to ensure your continuing success.

Quality products, innovative technology and dedicated customer service... these are the hallmarks of your partnership with ESAB.

ESAB sales and service offices worldwide



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