



HyPerformance Plasma HPRXD

Robotic and structural steel applications



HyPerformance® Plasma delivers consistently superior HyDefinition® cut quality and productivity at half the operating costs making it the choice for robotic and structural steel applications.

Hypertherm has spent more than four decades developing over 100 patented plasma technologies to provide customers with exceptional performance they can count on. The HPRXD® product line has clearly become the plasma technology of choice for customers seeking to serve the robotic and structural steel markets and who demand the most consistent cut quality, highest productivity, lowest operating cost and unmatched reliability.

Structural steel fabricators can increase their productivity by 5–7 times and achieve dramatic improvements in part accuracy, as well as smaller manufacturing footprints, by using Hypertherm technology on robotic cutting systems.

HyPerformance Plasma engineered for robotic and structural steel applications

Robust torch sleeve and leads designed for robotic applications

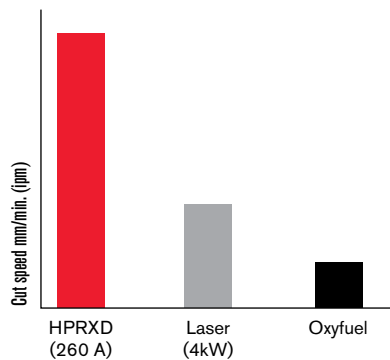
- Integrated strain relief with rotational flexibility for improved robustness in high flex applications.
- Leather overwrap option for greater protection against molten spatter.
- Easy to install and replace leads with a single connection requiring a tool.
- Multiple lead and torch sleeve lengths available for easy integration in a variety of robotic applications, including a 114 mm (4.5") torch sleeve option with patented integrated bearing design that delivers infinite rotation in bevel applications.

Maximized productivity

- HyPerformance® Plasma combines faster cutting speeds, rapid process cycling, quick changeovers and high up time to maximize productivity delivering more parts per hour.

HyPerformance Plasma cutting is 2-5 times faster

20 mm (3/4") mild steel



For location nearest you, visit:
www.hypertherm.com

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One of Hypertherm's long-standing core values is a focus on minimizing our impact on the environment. Doing so is critical to our, and our customers' success. We are always striving to become better environmental stewards; it is a process we care deeply about.

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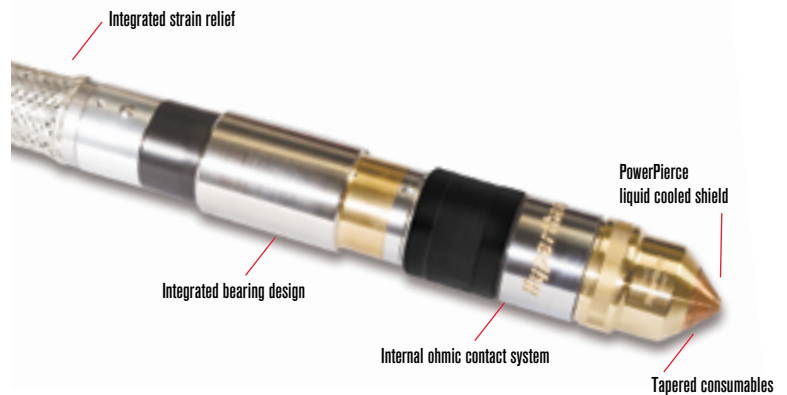
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Hypertherm
SHAPING POSSIBILITY™

Torch and consumables

- HyDefinition® technology enables powerful precision cutting for superior quality and consistency.
- Patented PowerPierce™ liquid cooled shield technology repels molten material during piercing and cutting to improve shield life.
- LongLife® technology delivers consistent HyDefinition cut quality over the longest period of time for a significant reduction in operating cost and downtime.
- Torch and consumable design provides exceptional positional accuracy of the tool center point relative to torch mounting location for maximum repeatability in the cutting process.
- Internal ohmic contact system delivers integrated work piece positioning and eliminates the need for dedicated sensing.
- Tapered bevel consumables from 80 A–400 A deliver improved access into angles and corners for applications ranging from 2 mm to 80 mm (0.075" to 3.2") thicknesses.



Accessories

- Laser pointer: Mounts directly to torch sleeve to provide accurate positioning of robotic alignment systems.
- Voltage divider board: Clean 0–10 V output signal and signal feedback for accurate positioning of torch and easy integration with robotic controls.

