

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 Associates has spent more than five decades developing over 1200 design and invention patents 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 plasma technology on robotic cutting systems.

HyPerformance Plasma engineered for robotic and structural steel applications

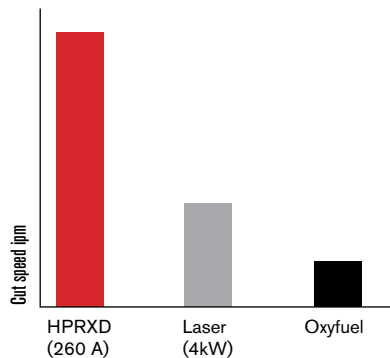
Robust torch sleeve and leads designed for robotic applications

- 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 4.5" torch sleeve option with patented integrated bearing design that delivers infinite rotation in bevel applications.

Maximized productivity

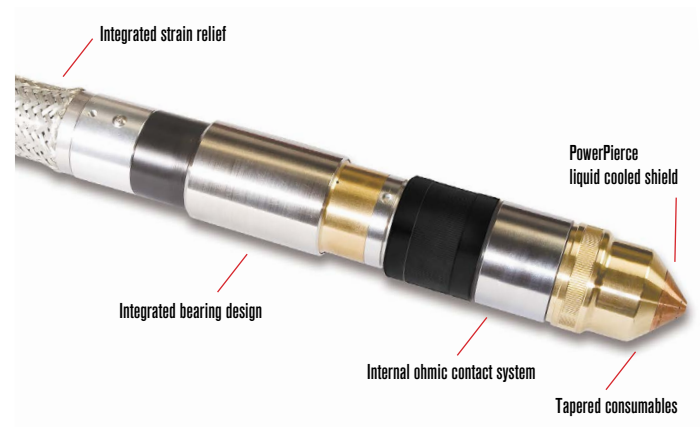
- HyPerformance® Plasma combines faster cutting speeds, rapid process cycling, quick changeovers and high up time to maximize productivity delivering more parts per hour.

HyPerformance Plasma cutting is 2-5 times faster
3/4" mild steel



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 0.075" to 3.2" thicknesses.



For more information, visit: www.hypertherm.com

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Please visit www.hypertherm.com/patents for more details about Hypertherm Associates patent numbers and types.

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