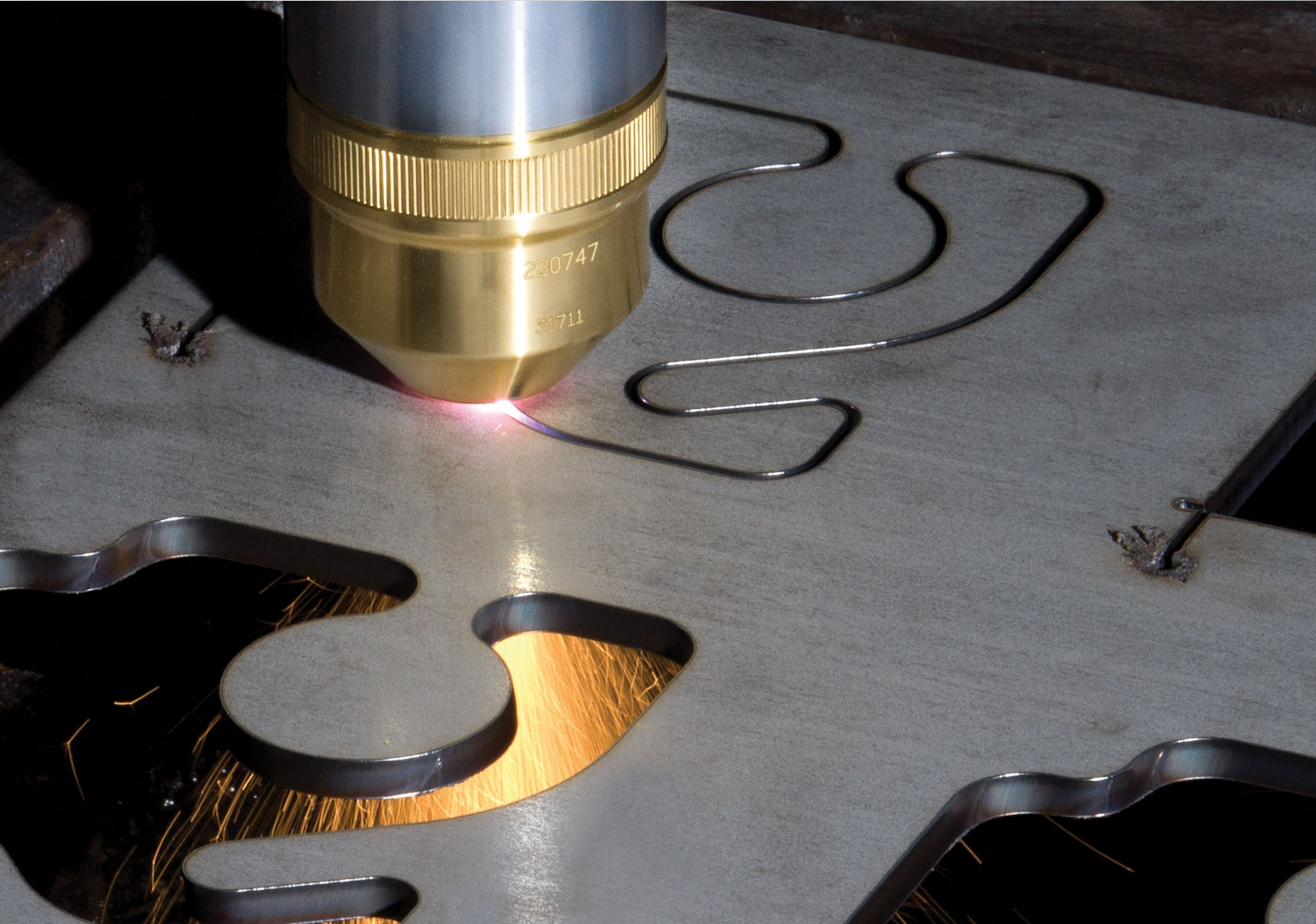


HyPerformance Plasma HPRXD



Stainless steel applications

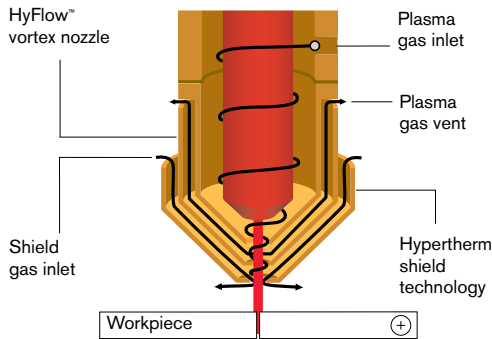
HPRXD[®] stainless steel technologies provide superior results from thin to the thickest piercing and cutting applications.

HyPerformance[®] plasma leads the way in stainless steel cutting, with new HDi™ technology for thin stainless, optimized gas mixing for mid-range thicknesses and patented PowerPierce[®] technology combined with an innovative controlled pierce process for the thickest piercing and cutting capability available.

HDi thin stainless steel technology

- HDi thin stainless steel technology brings HyDefinition® cutting technology to thin stainless 3 mm to 6 mm (12 GA to 1/4").

HyDefinition vented nozzle technology



- HDi thin stainless steel technology delivers extremely sharp top edge quality, shiny surface finish, and superior angularity with reduced angle variation.
- Advanced torch and consumable technologies deliver more consistent cut quality for the duration of consumable life.

Mid-range stainless steel cutting

- HPRXD auto-gas console optimally mixes H35 and nitrogen plasma gas with nitrogen shield gas to deliver superior cut quality from 6 mm (.25") to 80 mm (3.2").
- Mixed gas stainless steel cutting technology results in reduced angularity and improved consistency with excellent surface finish.



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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Thick stainless steel piercing and cutting capacity

- PowerPierce technology extends robust production pierce capability to 45 mm (1.75") with 400 amps and 75 mm (3") with 800 amps, eliminating the need for pre-drilling operations to maximize productivity.
- Maximum stainless pierce capability up to 75 mm (3") with 400 amps and 100 mm (4") with 800 amps is enabled by PowerPierce technology combined with a controlled motion process.
- Designed for the industry's most demanding thick stainless steel and aluminum cutting applications, the HPR800XD has the power to sever up to 160 mm (6.25").

300 pierces at 50 mm (2")



HPR400XD with PowerPierce technology

41 pierces at 45 mm (1.75")



Competitor A without PowerPierce technology

Patented PowerPierce technology

- Liquid cooled shield technology repels molten material during piercing and cutting to minimize torch damage.
- Patented consumable designs deliver pierce and severance capabilities expected of higher amperage systems.
- PowerPierce technology significantly improves shield robustness to reduce downtime and operating cost.



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