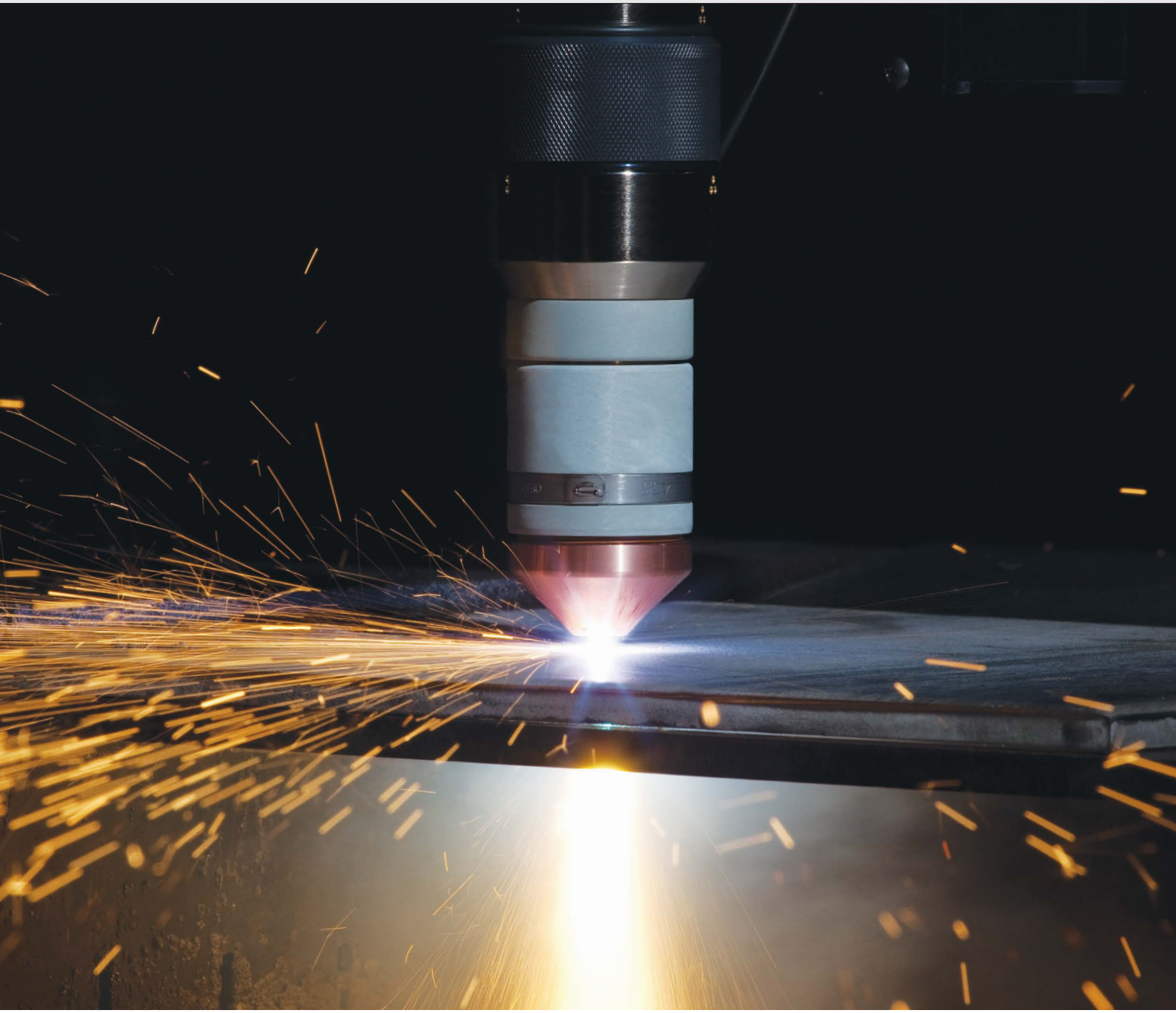
HYPERTHERM®
A Hypertherm Associates Brand

MAXPRO200®

LongLife® air and oxygen plasma cutting system



Maximized productivity. Easy operation. Reliable performance.

MAXPRO200

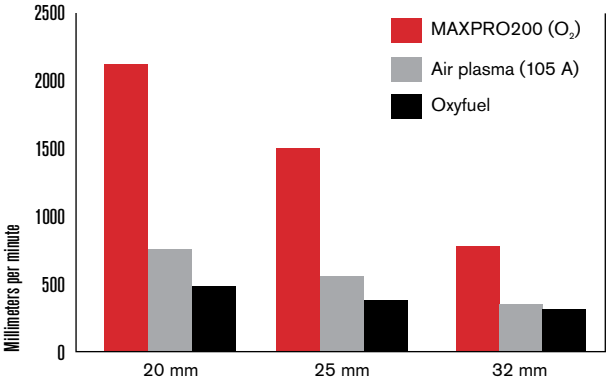
The MAXPRO200® plasma cutting system achieves impressive cut speeds, consistent cut quality and exceptional consumable life with air or oxygen plasma gas. Optimized cutting parameters are automatically set and controlled in one step for easy operation. Engineered for heavy-duty, high capacity mechanized and handheld cutting and gouging, the MAXPRO200 delivers reliable performance across a wide range of industrial applications.

Maximized productivity

MAXPRO200 combines fast cutting speeds and quick process changes to maximize productivity.

- The fastest cut speeds in its class produce more finished parts per hour.
- Engineered with 100% duty cycle for the most demanding production environments.
- Quickly transition between cutting, gouging, mechanized and handheld processes with automatic settings, tool free leads and quick disconnect torches.

Fast cutting speeds = maximum productivity



Easy operation

The easiest plasma system in its class for air and oxygen plasma cutting—easy to install, easy to operate, easy to maximize performance.

- Intuitive one step interface and automatic gas control deliver consistent results without operator intervention.

- Advanced diagnostics simplify troubleshooting and service.
- Optional serial communications allow full control of the system from the CNC.

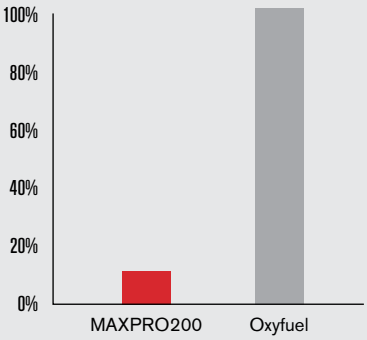
Step up to a superior technology

MAXPRO200® vs. oxyfuel

Cut speeds and pierce times are as much as 7 times faster for maximized productivity.

- Significantly lowers operating cost per part up to 50 mm.
- Less dross, less warping, and a smaller heat-affected zone to minimize high-cost secondary operations.
- Increases flexibility to cut and gouge mild steel, stainless steel, aluminum, and stacked, painted or rusted metal.
- Improves mild steel cutting safety over the use of acetylene, a highly flammable gas used for oxyfuel cutting.

Ten times lower cost per meter



Low operating cost

Exceptional consumable life and consistent performance deliver more cost-effective results.

- Do more with less power: patented consumable designs enable best in class cut speeds and robust production piercing using lower amperage levels.
- Superior cut quality and consistency minimize high cost secondary operations.
- Advanced consumable technologies including LongLife®, CoolFlow™ and TrueFlow™ significantly increase consumable life to reduce cost per part.

Reliable performance

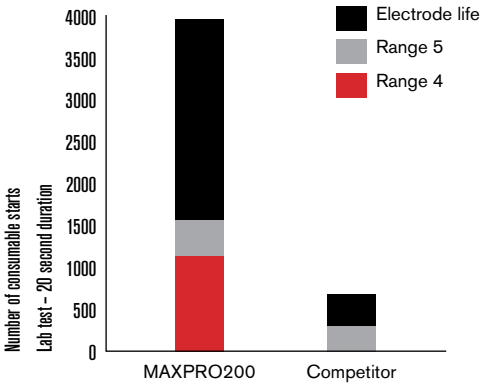
Engineered and tested using the same proven design process as the HyPerformance® HPRXD® product family for superior reliability in the most demanding cutting environments.

- During development, Hypertherm systems endure rigorous reliability testing procedures equivalent to years of use in extreme operating environments.
- The MAXPRO200 is built with less than half the number of internal parts compared to other systems on the market. Fewer parts provide greater reliability and serviceability.
- Self-diagnostics are performed automatically at startup and continually throughout the cutting process.

Longer consumable life = more cost effective

12 mm mild steel

200 A Air/Air



MAXPRO200
65° handheld torch

MAXPRO200
90° handheld torch

MAXPRO200 straight
machine torch

MAXPRO200 quick-disconnect
machine torch

Specifications

Input voltages	200/208 VAC, 3-PH, 50 Hz, 108/104 A 220 VAC, 3-PH, 50–60 Hz, 98 A 240 VAC, 3-PH, 60 Hz, 90 A 380 VAC, 3-PH, 50 Hz, 57 A 400 VAC, CE, 3-PH, 50–60 Hz, 54 A 415 VAC, CE, 3-PH, 50 Hz, 52 A 440 VAC, 3-PH, 50–60 Hz, 49 A 480 VAC, 3-PH, 60 Hz, 45 A 600 VAC, 3-PH, 60 Hz, 36 A
Output voltage	50–165 VDC
Maximum output current	200 A
Duty cycle rating	100% @ 33 kW, at 40° C
Operating temperature	-10° C to 40° C
Power factor	0,98
Maximum OCV	360 VDC
Dimensions	102 cm H, 69 cm W,105 cm L
Weight	335 kg
Gas supply **Plasma gas** **Shield gas** **Supply gas pressure**	 Air, O_2, N_2 Air, N_2 6,2 +/- 0,7 bar

Handheld torch and gouging

- 200 A handheld torch capable of cutting up to 75 mm for demolition, scrapping and other heavy-duty cutting demands.
- Drag-cutting consumables make it easy to follow a line or template.
- Metal removal rate on mild steel up to 18,7 kg/hr.
- Plasma gouging can replace grinding or carbon arc gouging for many metal-removal applications. Plasma gouging produces less noise and fumes than carbon arc gouging and avoids risks of metallurgic problems from carbon contamination.

Operating data

Virtually dross-free cutting capacity – mild steel 20 mm
Production pierce capacity – mild steel 32 mm
Severance* – mild steel 75 mm
Bevel – 200 amp consumables support 45° bevel capability

Material	Current (amps)	Thickness (mm)	Approximate cutting speed (mm/min)
Mild steel			
Air plasma	50	1	8050
Air shield		3	3760
Air plasma	130	6	3865
Air shield		12	2045
Air plasma	200	6	4885
Air shield		12	2794
		20	1415
		25	940
		32	630
		50	215
O_2 plasma	50	1	6775
Air shield		3	3650
O_2 plasma	130	6	3925
Air shield		12	2200
O_2 plasma	200	6	6210
Air shield		12	3415
		20	1920
		25	1430
		32	805
		50	270
Stainless steel			
N_2 plasma	200	12	2260
N_2 shield		20	1190
Air plasma	200	12	3320
Air shield		20	1440
Aluminum			
N_2 plasma	200	12	3370
N_2 shield		20	1630
Air plasma	200	12	3370
Air shield		20	1625

* The thickness that can be severed at approximately 125 mm/min (5 ipm) with reduced cut quality. Cutting at severance thickness should be infrequent.

Cut with confidence

- Hypertherm Associates is ISO 9001: 2000 registered.
- Hypertherm Associates' full-system warranty provides complete coverage for one year on the torch and leads and two years on all other system components.
- Hypertherm plasma power supplies are engineered to deliver industry leading energy efficiency and productivity with power efficiency ratings of 90% or greater and power factors up to 0,98. Extreme energy efficiency, long consumable life, and lean manufacturing lead to the use of fewer natural resources and a reduced environmental impact.

For more information, visit: www.hypertherm.com

87089D

HYPERTHERM ASSOCIATES™

As 100% Associate owners, we are all focused on delivering a superior customer experience. www.hyperthermassociates.com/ownership

Environmental stewardship is one of Hypertherm Associates' core values. www.hyperthermassociates.com/environment

100% Associate-owned Greener Cuts