

7 reasons plasma beats oxyfuel

Plasma is rapidly becoming the cutting technology of choice. Fast cut speeds, superior cut quality, and ease-of-use are just a few of plasma's advantages.

1 Better cut quality

Plasma cuts have less dross, less warping, and a smaller heat-affected zone.



Plasma cut sample



Oxyfuel cut sample

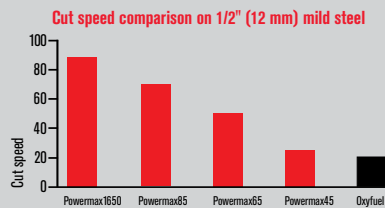
5 Easier to use

No gases to regulate, no flame chemistry to master. And Hypertherm torches are designed for dragging the torch across the plate. There's no standoff to maintain.



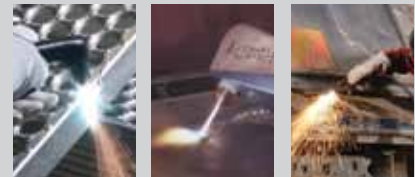
2 Greater productivity

With significantly faster cut speeds, plasma outperforms oxyfuel even before you consider oxyfuel's preheat time and secondary operations.



6 Increased flexibility

Cut or gouge mild steel, aluminum, stainless, copper, and most other metals. And use it to cut stacked metal, metal grate, or even rusty or painted pieces.



3 Lower cost per part

With operating costs spread over more parts per hour, you have a lower cost per part.



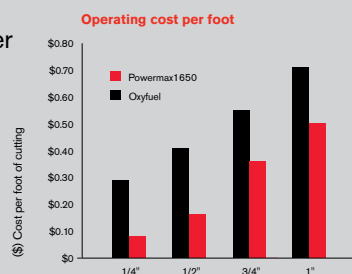
7 Improved safety

The most popular fuel gas for oxyfuel is acetylene, a highly flammable and unstable gas. With Powermax systems, compressed air is the only gas you need.



4 Higher profitability

Lower operating costs and greater productivity results in more profit for you.



Hypertherm[®]

Visit www.PlasmaVersusOxyfuel.com to learn more.

Which Powermax® system is right for you?



	Powermax30	Powermax45	Powermax65	Powermax85	Powermax1650	Minimum cut speed
Handheld cut capacity						
Recommended	1/4" (6 mm)	1/2" (12 mm)	3/4" (19 mm)	1" (25 mm)	1-1/4" (32 mm)	20 ipm (500 mm/min)
	3/8" (10 mm)	3/4" (19 mm)	1" (25 mm)	1-1/4" (32 mm)	1-1/2" (38 mm)	10 ipm (250 mm/min)
Severance	1/2" (12 mm)	1" (25 mm)	1-1/4" (32 mm)	1-1/2" (38 mm)	1-3/4" (44 mm)	5 ipm (125 mm/min)
Mechanized pierce capacity						
	–	3/8" (10 mm)	1/2" (12 mm)	5/8" (16 mm)	3/4" (19 mm)	

Switch to a Powermax plasma system and experience these advantages:

- Better cut quality
- Greater productivity
- Lower cost per part
- Higher profit
- Easier to use
- Increased flexibility
- Improved safety

Notes: _____



Cut with confidence™

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