

Plasma cutting application:

Metal artwork

Specific plasma use

Furniture fabrication

Furniture is often made from different types of metal—usually a combination of intricate thin plate material combined with heavier tubular stock for strength. The metals used are typically mild steel and stainless.

Systems Powermax600® or 1000

Sculpture fabrication

Metal sculptures range in shape and size from small tabletop pieces to large free-standing works of art. These sculptures are made from a variety of metal thicknesses and types such as mild steel, aluminum, stainless steel and copper.

Systems: the full product range

Fence and gate fabrication

Intricate shapes and designs are cut from various metal thicknesses and type to fabricate gates and fencing for lawns, walkways or porches. These items are typically fabricated from metal with 1/8 to 1/4" (3 to 6 mm) thickness.

Systems: Powermax30, 600 or 1000

Miscellaneous metal items

The fabrication of such objects as doorway signs, cookie cutters and jewelry are typically cut from thin plate material in either mild steel or tin. The ability to cut small intricate shapes with no warping is important.

Systems: Powermax190c or 30



Metal Artwork

Specific benefits of Powermax systems

- The controlled arc and high cutting speeds reduce heat-affected zone and warping.
- High cut quality reduce or eliminate secondary operations such as grinding.
- Piercing capabilities for ease of starting interior cuts.
- Hypertherm's drag-cutting technology makes it easy to follow a line or template.
- System portability offers ease of cutting at various locations.
- Cut a variety of ferrous and non-ferrous metals.
- Superior speed of plasma cutting results in shorter cut times and greater productivity over conventional processes such as oxyfuel and saws.
- Use of FineCut™ consumables delivers higher quality cuts as a result of less dross, narrow kerf and smaller heat-affected zone.
- Powermax G3 Series™ accept mechanized torches for CNC cutting table operation.

"For over 25 years of making metal silhouettes and decorative panels for railings and gates our company has had a MAX42, Powermax800, two Powermax900's and a Powermax1000. We've stayed loyal to Hypertherm and won't consider another brand because of their superior products and great customer service. As a result, any future upgrades in equipment will include only Hypertherm!"

Jerry Wayne Bement, J. Dub's

Hypertherm®

Hypertherm, Inc.
Hanover, NH 03755 USA
603-643-3441 Tel

Hypertherm (S) Pte Ltd.
417847, Republic of Singapore
65 6 841 2489 Tel

**Hypertherm (Shanghai)
Consulting Co., Ltd**
PR China 200052
86-21 5258 3330 /1 Tel

Hypertherm Europe B.V.
4704 SE Roosendaal, Nederland
31 165 59 69 07 Tel

HYPERTHERM BRASIL LTDA.
Guarulhos, SP - Brasil
55 11 6482 1087 Tel

www.hypertherm.com



Photo courtesy of J.Dub's

Hypertherm, Powermax, FineCut and G3 Series are trademarks of Hypertherm, Inc. and may be registered in the United States and/or other countries.

© Copyright 12/06 Hypertherm, Inc. Revision 4
890460