



Plasma cutting application

Metal artwork

Examples of plasma uses

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: Powermax30 XP, 45 or 65

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 3 to 6 mm (1/8 to 1/4") thickness.

Systems: Powermax30 XP, 45 or 65

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: Powermax30 XP or 45

Key advantages of Powermax® systems

- Easy to set up and operate.
- Piercing capability makes starting interior cuts easy.
- High cut quality reduces or eliminates secondary operations, such as grinding.
- Drag-cutting technology makes it easy to follow a line or template.
- Gouging process efficiently removes existing welds with reduced noise and smoke over conventional methods.
- System portability offers ease of use at various locations.
- Controlled arc and high cutting speeds reduce heat-affected zone and warping.
- Cut a variety of ferrous and non-ferrous metals including mild steel, stainless and aluminum – painted or rusted.
- Pilot arc control feature enables uninterrupted cutting on expanded metal.
- Machine torches are available for use on cutting machines such as X-Y tables, robots
- FineCut™ consumables deliver higher quality cut with less dross, narrower kerf and smaller heat-affected zone.

"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

