



Plasma cutting application

## Steel service centers

### Examples of plasma uses

#### Square structural tubing

Tubing with wall thicknesses of up to 16 mm (5/8") is cut to fabricate such items as trailer tongues, brackets, truck bumpers, etc.

Systems: Powermax65® SYNC™ or 85 SYNC

#### Ornamental tubing

Tubing with wall thicknesses of up to 3 mm (1/8") is cut to fabricate such items as stairways, railings, fences, etc.

Systems: Powermax30 XP or 45 XP

#### Metal plates

A variety of metal plates of up to 32 mm (1-1/4") thick are cut to customer specification to fabricate automobiles parts, railroad cars, farm and heavy machinery, boilers, pressure vessels, etc.

System: Powermax85 SYNC, 105 SYNC, or Powermax125

#### Lift eyes

FlushCut consumables are used to remove lift eyes from plates and beams without damaging the base plate.

Systems: Powermax85 SYNC or 105 SYNC

#### Key advantages of Powermax systems

- Superior speed of plasma cutting results in shorter cut times and greater productivity over processes such as oxyfuel, saws or shears.
- Simple controls make setup and operation easy.
- 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.
- 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.

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