



Plasma cutting application

Electrical power companies

Examples of plasma uses

Fleet truck repair

Corroded or collision damaged truck quarter panels, side steps, bumpers and equipment cabinets, typically .8 to 3 mm (1/32 to 1/8") thick, are cut away for the installation of replacement parts and patch panels.

Systems: Powermax30® XP, 45 XP, or Powermax65 SYNC™

Reel and pole trailer repair

Damaged or worn sections of tubular steel frames and panels, typically 3.2 to 4.5 mm (1/8 to 3/16") thick, are cut away or welds securing parts are gouged out for the installation of replacement parts or panels.

Systems: Powermax30 XP, 45 XP, or Powermax65 SYNC

Equipment repair

Damaged portions of body panels, hoppers and frames, typically 1.6 to 4.5 mm (1/6 to 3/16") thick, on equipment such as chippers, pullers, and tensioners are cut out for the installation of replacement parts or panels.

Systems: Powermax30 XP, 45 XP, or Powermax65 SYNC

Rack fabrication

Fabrication of custom racks for holding and transporting materials and equipment requires the cutting of steel plates and tubular stock, typically 1.6 to 4.5 mm (1/6 to 3/16") thick, prior to being welded together.

Systems: Powermax30 XP, 45 XP, or Powermax65 SYNC

Key advantages of Powermax systems

- Superior speed of plasma cutting results in shorter cut times and greater productivity over processes such as oxyfuel or saws.
- 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.
- FineCut® consumables deliver higher quality cut with less dross, narrower kerf and smaller heat-affected zone.

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