



Plasma cutting application

Municipal water works

Examples of plasma uses

Dump truck bed repair

Damaged or worn sections of dump beds and wear plates, typically 10 to 12 mm (3/8 to 1/2") thick, are cut away or welds are gouged out for the installation of new plates.

Systems: Powermax30® XP, 45 XP, Powermax65 SYNC™, or 85 SYNC

Loader shovel repair

Welds securing wear plates, typically 3 to 12 mm (1/8 to 1/2") thick, and damaged shovel teeth are gouged out to allow the installation of new parts.

Systems: Powermax30 XP, 45 XP, Powermax65 SYNC, or 85 SYNC

Plow repair

Welds securing wear plates, typically 12 to 20 mm (1/2 to 3/4") thick, and plow blades are gouged out for the installation new parts.

Systems: Powermax65 SYNC, 85 SYNC, or 105 SYNC

Truck maintenance

Corroded or collision damaged body panels, typically 3 mm (1/8") thick, are cut away for the installation of replacement panels.

Systems: Powermax30 XP, 45 XP, or Powermax65 SYNC

Pipe system fabrication

Pipes are cut to size using either a hand or machine torch on a CNC cutting machine or portable clamp on style machine. Bevel, saddle, straight and miter cuts are easily made on a variety of wall thicknesses.

Systems: Powermax45 XP, Powermax65 SYNC, 85 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 or saws.
- Easy to set up and operate.
- Single-piece Hypertherm cartridge consumables on the Powermax65 SYNC, 85 SYNC, and 105 SYNC systems eliminate consumable stack-up errors.
- Piercing capability makes starting interior cuts easy.
- High cut quality reduces or eliminates secondary operations, such as grinding.
- Gouging process efficiently removes existing welds with reduced noise and smoke over conventional methods.
- System portability offers ease of use at various locations.
- 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 pipe beveling and cutting machines.
- Max removal and max control gouging consumables, HyAccess™ extended reach consumables, and FlushCut™ consumables ensure the right tool for the job.

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