

Plasma cutting application:

Municipal water works

Specific plasma use

Dump truck bed repair

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

Systems: Powermax1000® or 1250

Loader shovel repair

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

Systems: Powermax1000 or 1250

Plow repair

Welds securing wear plates, typically 1/2 to 3/4" (12 to 19 mm) thick, and plow blades are gouged out for the installation new parts.

Systems: Powermax1000, 1250 or 1650

Truck maintenance

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

Systems: Powermax600 or 1000

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: Powermax1000, 1250, or 1650



Municipal Water Works

Specific benefits of Powermax systems

- Superior speed of plasma cutting results in shorter cut times and greater productivity over conventional processes such as oxyfuel and saws.
- High cut quality reduces or eliminates 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.
- Gouging process offers ease of removing existing welds with reduced noise and smoke over conventional methods.
- System portability offers ease of cutting at various locations.
- The controlled arc and high cutting speeds reduce heat-affected zone and metal distortion.
- Pilot arc control feature for uninterrupted cutting on expanded metal.
- Ease of installing machine torches on a pipe beveling and cutting machines.



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