



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, 65 or 85

#### 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, 65 or 85

#### 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, 85 or 105

#### 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 or 65

#### 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, 65, 85 or 105

#### 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.
- Pilot arc control feature enables uninterrupted cutting on expanded metal.
- Machine torches are available for use on pipe beveling and cutting machines.

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