

Plasma cutting application: **Demolition and metal salvage**

Specific plasma use

Metal salvage

Metal sections are cut from the structure prior to building demolition. Welded-on pieces can be removed quickly by gouging off the welds.

Systems: Powermax1250® or 1650

Debris resizing and separating

Oversized metal is segmented to facilitate easier removal. Sections of the rebar are cut in order to separate large pieces of concrete.

Systems: Powermax1000 or 1250

Bulldozer track repair

Corroded steel bolts are cut off to remove the damaged shoes for the installation of new track.

System: Powermax1250

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

Dump truck bed repair

Welds securing worn or damaged bed plates, typically 3/8 to 1/2" (10 to 12 mm) thick, are gouged out or the plates are cut for installation of new plate.

Systems: Powermax1000 or 1250



Demolition and Metal Salvage

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.
- Gouge capabilities offer ease of removing existing welds with reduced noise and smoke over conventional methods.
- The controlled arc and high cutting speeds reduce heat-affected zone and warping.
- Hypertherm's drag-cutting technology makes it easy to follow a line or template.
- System portability offers ease of cutting at various locations.
- Piercing capabilities for ease of starting interior cuts.



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