Hypertherm®

Plasma cutting application

Demolition and metal salvage

Examples of plasma uses

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: Powermax85, 105 or 125

Debris resizing and separating

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

Systems: Powermax65, 85, 105 or 125

Bulldozer track repair

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

Systems: Powermax65, 85, 105 or 125

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: Powermax65, 85, 105 or 125

Dump truck bed repair

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

Systems: Powermax65, 85, 105 or 125

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.
- Simple controls make setup and operation easy.
- 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.

890570