



Plasma cutting application

Sawmill and lumberyard maintenance

Examples of plasma uses

Grapple repair

Weak or damaged sections of grapple arms and side plates, typically 6 to 12 mm (1/4" to 1/2") thick, are cut away for replacement parts.

Systems: Powermax30 XP, 45 or 65

Rack and shelf fabrication

Tubular steel, with typical wall thickness of 3 to 6 mm (1/8" to 1/4"), is cut to size then welded together.

Systems: Powermax30 XP or 45

Heavy equipment repair

Wear plates, body panels and tubular steel guards on front-end loaders, dump trucks and fork lifts are cut off or welds are gouged out to detach damaged sections.

Systems: Powermax65, 85, 105 or 125

Carriage and conveyor repair

Damaged guards, flow rails, support posts and framing, typically 3 to 12 mm (1/8" to 1/2") thick plate or tubing, are cut or welds are gouged out to install replacement parts.

Systems: Powermax30 XP, 45 or 65

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

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.

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