

Plasma cutting application: **Logging equipment maintenance**

Specific plasma use

Guard repair

Sections of severely damaged vehicle cab guards are cut away or the weld securing the contorted metal are gouged out for the installation of new parts. Replacement parts are cut to size then welded in place.

Systems: Powermax1000® or 1250

Skidder track repair

To install new track parts, corroded steel bolts are cut off to remove the damaged or worn shoes. Welds securing damaged track guards, which protect the track rollers, are gouged out so replacement metal plates can be installed.

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 of new parts.

Systems: Powermax1000 or 1250

Rail replacement

Collision damaged load rails on log trailers are removed and new rectangular steel stock, typically 3/8 to 1/2" (10 to 12 mm) wall thickness, are cut to size for the proper height of the trailer.

Systems: Powermax1000 or 1250

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



Logging Equipment Maintenance

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.
- Cut a variety of ferrous and non-ferrous metals.
- Pilot arc control feature for uninterrupted cutting on expanded metal.



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