



Plasma cutting application

## Logging equipment maintenance

### Examples of plasma uses

#### 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: Powermax30 XP, 45, 65 or 85

#### 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: Powermax45, 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 of new parts.

Systems: Powermax65, 85 or 105

#### Rail replacement

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

Systems: Powermax30 XP, 45, 65 or 85

#### 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.
- 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.
- FineCut® consumables deliver higher quality cut with less dross, narrower kerf and smaller heat-affected zone.

