

## **Plasma cutting application:** **Sawmill and lumberyard maintenance**

### **Specific plasma use**

#### **Grapple repair**

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

**Systems:** Powermax600® or 1000

#### **Rack and shelf fabrication**

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

**Systems:** Powermax30 or 600

#### **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:** Powermax600 or 1000

#### **Carriage and conveyor repair**

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

**Systems:** Powermax600 or 1000

#### **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



# **Sawmill and Lumberyard 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.
- Pilot arc control feature for uninterrupted cutting on expanded metal.



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