

## ***Plasma cutting application:***

### **Electrical power companies**

#### **Specific plasma use**

##### **Fleet truck repair**

Corroded or collision damaged truck quarter panels, side steps, bumpers and equipment cabinets, typically 1/32 to 1/8" (.8 to 3 mm) thick, are cut away for the installation of replacement parts and patch panels.

**Systems:** Powermax30® or 600

##### **Reel and pole trailer repair**

Damaged or worn sections of tubular steel frames and panels, typically 1/8 to 3/16" (3.2 to 4.5 mm) thick, are cut away or welds securing parts are gouged out for the installation of replacement parts or panels.

**Systems:** Powermax30 or 600

##### **Equipment repair**

Damaged portions of body panels, hoppers and frames, typically 1/6 to 3/16" (1.6 to 4.5 mm) thick, on equipment such as chippers, pullers, and tensioners are cut out for the installation of replacement parts or panels.

**Systems:** Powermax30 or 600

##### **Rack fabrication**

Fabrication of custom racks for holding and transporting materials and equipment requires the cutting of steel plates and tubular stock, typically 1/16 to 3/16" (1.6 to 4.5 mm) thick, prior to being welded together.

**Systems:** Powermax30 or 600



# ***Electrical Power Companies***

#### **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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