

Plasma cutting application:

Tractor trailer repair

Specific plasma use

Kingpin re-setting

Loose hitch connections can be caused by a deformed kingpin which is located under the front of the trailer. Welds securing the typical 1/2" (13 mm) thick coupler plate must be gouged out to repair the damaged kingpin.

Systems: Powermax1000® or 1250

Bumper replacement

Routine docking or rear collisions cause contortion of the bumper. Welds securing the structural steel brackets and channel stock must be gouged out for the installation of new parts.

Systems: Powermax1000 or 1250

Trailer body repair

Collision damaged sections of trailer bodies, typically 1/16" (1.6 mm) thick aluminum sheets, are cut away for replacement panels to be riveted to support rails. Holes are cut for running hoses, wire harnesses and mounting lights.

System: Powermax30 or 600

Frame repair

Accident damaged portions of steel I-beam, typically 3/8" (9 mm) thick, are cut away and replacement stock is cut to size and installed.

Systems: Powermax600 or 1000



Tractor Trailer Repair

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.

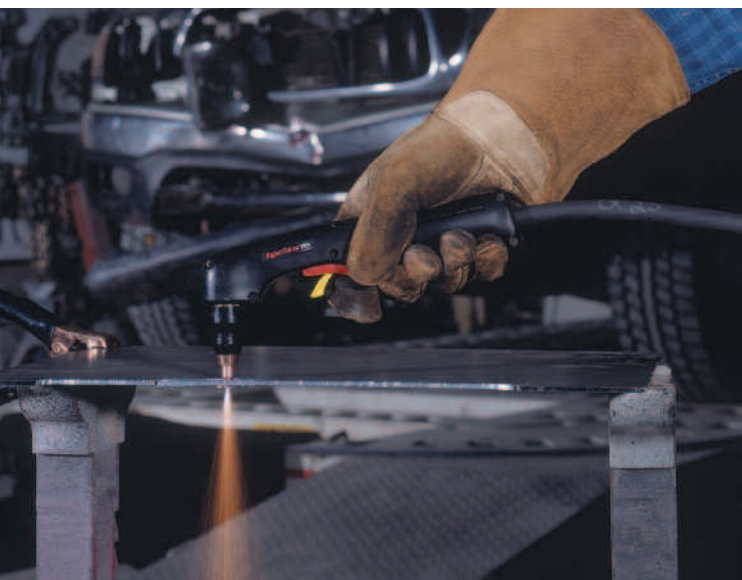


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