

Plasma cutting application: **General automotive repair**

Specific plasma use

Exhaust system repair

Corroded or damaged sections of exhaust systems, brackets and bolts are cut loose for the installation of new parts.

Systems: Powermax30® or 600

Bracket removal

Welds securing mounting brackets that have bent or crushed during collisions are gouged out or cut away for the installation of new parts.

System: Powermax600

Body panel replacement

Corroded or collision damaged body panels, typically 22 gauge (.8 mm) thick, are cut away for the installation of replacement panels.

Systems: Powermax190c or 30

Floor repair

Corroded or damaged floor panels, typically 20 gauge (.9 mm) thick, are cut away for the installation of replacement panels.

Systems: Powermax190c or 30

Frame repair

Damaged portions of the frame, typically 1/8" (3 mm) thick, are cut away for the installation of new square stock.

System: Powermax30

Panel fabrication

Hard to find or costly replacement body and floor panels are sometimes fabricated by cutting sheet metal to size then formed to the correct shape.

Systems: Powermax190c or 30



General Automotive 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, saws or shears.
- High cut quality reduce or eliminate secondary operations, such as grinding.
- The controlled arc and high cutting speeds reduce heat-affected zone and warping.
- Hypertherm's drag-cutting technology makes it easy to follow a line or template.
- System portability offers ease of cutting at various locations.
- Piercing capabilities for ease of starting interior cuts.
- Use of FineCut™ consumables delivers higher quality cuts as a result of less dross, narrow kerf and virtually no heat-affected zone.



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