



Plasma cutting application

Transit bus repair

Examples of plasma uses

Body and floor panel replacement

Corroded or collision damaged body and floor panels, typically .9 mm (20 gauge) thick, are cut away to install replacement panels.

Systems: Powermax30 XP or 45

Frame repair

Portions of collision or corrosion damaged frames, typically 3 to 4.5 mm (1/8 to 3/16") thick, are cut away to install a replacement section.

Systems: Powermax30 XP or 45

Exhaust replacement

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

Systems: Powermax30 XP or 45

Bracket removal

Welds securing mounting brackets that have been damaged during collisions are gouged out or cut away to install replacement parts.

Systems: Powermax30 XP or 45

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.

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