



Plasma cutting application

Plant maintenance

Examples of plasma uses

Pipe replacement

Sections of old pipe are cut for rerouting flow or to install new pieces. New pipes are cut to size by placing a hand or machine style torch on a CNC cutting table or portable pipe cutting machine. Bevel, saddle, straight and miter cuts are easily made on a variety of wall thicknesses.

Systems: Powermax45® XP, Powermax65 SYNC™, 85 SYNC, 105 SYNC, or Powermax125

Tank and vessel fabrication and repair

Mild steel, stainless steel or aluminum wall panels, typically 5 to 10 mm (3/16 to 3/8") thick, are cut to size by using a machine style torch on a CNC cutting table or track burner. After the wall panels are installed; vent, pipe and access holes are often made.

Systems: Powermax45® XP, Powermax65 SYNC, 85 SYNC, 105 SYNC, or Powermax125

Support structure fabrication and repair

Sections of structural steel are cut to size to fabricate tank or vessel support frames. When damaged or corroded sections of existing structures need to be replaced, the welds securing the piece are gouged out or the section is cut away, before new pieces are installed.

Systems: All Powermax systems

Platform, stair and ladder fabrication and repair

Tubing, pipes, beams, deck plate and grate are cut to size for structure fabrication. When damaged or corroded sections of existing structures need to be replaced, the welds securing the piece are gouged out or the section is cut away then new pieces are installed.

Systems: All Powermax systems

Equipment replacement

Obsolete equipment that is too large to be removed in one piece can be cut into smaller sections to be transported.

Systems: Powermax45® XP, Powermax65 SYNC, 85 SYNC, 105 SYNC, or Powermax125

Key advantages of Powermax systems

- Simple controls make setup and operation easy – even for first-time operators.
- Cut a variety of ferrous and non-ferrous metals including mild steel, stainless and aluminum – painted or rusted.
- Controlled arc and fast cutting speeds reduce heat-affected zone and warping.
- Superior cut and gouge quality reduces time for grinding and edge preparation.
- Drag-cutting technology makes it easy to follow a line or template.
- A wide range of torch styles to choose from for both handheld and automated processes.
- Automated setup and single-piece consumable technology with the SYNC series systems make it easier to work while on scaffolding, ladders, or other hard to reach locations.
- Extensive array of application capabilities via specialty consumables for fine feature cutting, extended reach cutting, gouging and marking.
- The Powermax30 AIR includes an internal air compressor which eliminates having to transport an external compressor or air bottle.

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