



Plasma cutting application

Concrete manufacturers

Examples of plasma uses

Hopper repair

Welds securing corroded and worn plates, typically 5 mm (3/16") thick, are gouged out or the plates are cut away to install new, abrasive resistant, steel plates.

Systems: Powermax45® XP or Powermax65 SYNC™

Chute repair

Worn sections of the steel or aluminum panels, typically 3 to 5 mm (1/8 to 3/16") thick, are cut away to install new panels.

Systems: Powermax30 XP or 45 XP

Inspection platform repair

Corroded or collision damaged sections of platforms and railings are cut away to install new steel grating and railings.

Systems: Powermax30 XP, 45 XP, or Powermax65 SYNC

Post-tensioning cable trimming

Cut away the excess ends of post-tensioning cables in concrete forms. HyAccess™ consumables provide additional reach.

Systems: Powermax45 XP, Powermax65 SYNC, or 85 SYNC

Truck maintenance and customization

Damaged or deteriorated sections of body panels, typically 3 mm (1/8") thick, are cut away to install replacement panels or patching. Fabrication of dividers or racks requires the cutting of steel plates and tubular stock prior to being welded together.

Systems: Powermax30 XP, 45 XP, or Powermax65 SYNC

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.
- HyAccess™ and FlushCut™ consumables offer application versatility and better reach in hard-to-reach areas.
- 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.

Hypertherm, Powermax, SYNC, HyAccess, and FlushCut are trademarks of Hypertherm, Inc. and may be registered in the United States and/or other countries. All other trademarks are the properties of their respective owners.

© 3/2021 Hypertherm, Inc. Revision 7
890290

