



Plasma cutting application

## Trailer manufacture and repair

### Examples of plasma uses

#### Draft arm fabrication

Structural aluminum or steel tubing, typically 15 cm square with 5 to 6 mm wall thickness, is cut to length then fabricated into an assembly with gussets, stiff-legs and bushings.

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

#### Bulkhead, tailgate and siding fabrication

Structural aluminum or steel tubing, typically 8 cm square, is cut to the desired lengths to form the trailer frame. Aluminum or steel plates, typically 5 to 6 mm thick, are cut to size for siding, rolled to shape then welded to the frame. Holes are pierced for the mounting of tarp supports and tailgate access doors, creating wire chases, and mounting lights or other features.

Systems: Powermax45 XP, Powermax65 SYNC, or 85 SYNC

#### Small parts fabrication

Aluminum or steel tubing, 6 to 8 mm wall thickness, is cut to the desired lengths to make hinges for the rear of dump trailers.

Systems: Powermax45 XP, Powermax65 SYNC, or 85 SYNC

#### Key advantages of Powermax systems

- Superior speed of plasma cutting results in shorter cut times and greater productivity over processes such as oxyfuel, saws, or grinding.
- 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.
- Cut a variety of ferrous and non-ferrous metals including mild steel, stainless and aluminum – painted or rusted.
- Max removal and max control gouging consumables, HyAccess™ extended reach consumables, and FlushCut™ consumables ensure the right tool for the job.

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