



Plasma cutting application

## Food processing plant maintenance

### Examples of plasma uses

#### Counter fabrication and repair

Damaged or deteriorated portions of stainless steel counters, typically 1.6 mm (1/16") thick, are cut away to install new panels.

Systems: Powermax30 XP or 45

#### Conveyor system redesign

To accommodate new processes or equipment, sections of stainless steel conveyors including guards, flow rails and support posts that are typically 3.2 mm (1/8") thick are cut for modifications.

Systems: Powermax30 XP or 45

#### Ventilation systems

Cracked or faulty sections are cut away for the installation of new parts such as fans, exhaust stacks and vent ducts. For system expansion, access holes are cut in existing ducts, typically .6 to .8 mm (22 to 24 gauge) thick, so new branches can be riveted on.

Systems: Powermax30 XP

#### Platform repair

Corroded or damaged sections of hand rails, grated stair treads and platform gratings are cut away or welds are gouged out to allow the installation of new parts.

Systems: Powermax45 or 65

#### 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 shears.
- 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.
- 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.

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