

## ***Plasma cutting application:*** **Food processing plant maintenance**

### **Specific plasma use**

#### **Counter fabrication and repair**

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

**Systems:** Powermax30® or 600

#### **Conveyor system redesign**

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

**Systems:** Powermax30 or 600

#### **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 22 to 24 gauge (.6 to .8 mm) thick, so new branches can be riveted on.

**Systems:** Powermax190c or 30

#### **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:** Powermax600 or 1000



# ***Food Processing Plant Maintenance***

### **Specific benefits of Powermax systems**

- Superior speed of plasma cutting results in shorter cut times and greater productivity over conventional processes such as oxyfuel and saws.
- Cut a variety of ferrous and non-ferrous metals.
- High cut quality reduces or eliminates secondary operations such as grinding.
- Piercing capabilities for ease of starting interior cuts.
- Hypertherm's drag-cutting technology makes it easy to follow a line or template.
- Gouging process offers ease of removing existing welds with reduced noise and smoke over conventional methods.
- System portability offers ease of cutting at various locations.
- The controlled arc and high cutting speeds reduce heat-affected zone and metal distortion.
- Pilot arc control feature for uninterrupted cutting on expanded metal.



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