

Plasma cutting application: **Commercial kitchen installation and repair**

Specific plasma use

Counter and cabinet frame fabrication

Galvanized iron tubing, with typical wall thickness of 1/8 to 3/16" (3 to 4 mm), is cut to the required size to construct cabinet frames. Stainless steel panels, typically 18 gauge (1.3 mm), are cut and attached to form siding. Shelves and drawers are often fabricated from stainless steel sheets and installed in the cabinet base.

System: Powermax30® or 600

Counter and cabinet top fabrication

Stainless steel sheets, typically 16 gauge (1.5 mm), are cut to specific size prior to forming edges and mounting to the counter or cabinet base. Interior holes are pierced and cut to install drop-in items such as sinks or trays.

Systems: Powermax190c* or 30

Wall panel fabrication

Stainless steel sheets, typically 18 gauge (1.3 mm), are cut to specific dimensions prior to mounting on walls. Holes are pierced and cut to construct electrical boxes and lights.

Systems: Powermax190c or 30

Ventilation system fabrication

Custom ventilation hoods are constructed typically from 20 gauge (.9 mm) from stainless steel sheets. The sheets are cut to the desired size and shape prior to forming. Galvanized spiral ductwork is often used to fabricate other components of the ventilation system.

Systems: Powermax190c or 30

Equipment repair

Damaged or deteriorated portions of counters and cabinets are cut away to install new panels.

Systems: Powermax190c or 30



Commercial Kitchen Installation and Repair

Specific benefits of Powermax systems

- Plasma's unmatched cutting speed for greater productivity over conventional processes such as saws.
- High-quality cut edges reduce or eliminate secondary operations, such as grinding.
- The controlled arc and high cutting speeds reduce heat-affected zone and warping.
- Hypertherm's drag-cutting technology makes it easy to follow a line or template.
- Cut a variety of ferrous and non-ferrous metals including stainless steel.
- Ease of piercing in starting interior cuts for electrical outlets and drop in items.
- Use of FineCut consumables delivers higher quality cuts as a result of less dross, narrow kerf and smaller heat effected zone.

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*Only CSA units available.