

Plasma cutting application: Metal Building Construction

Specific plasma use

Wall and ceiling framing

'C' shaped, galvanized steel channels, typically 10 to 20 gauge (3.4 to .9 mm) thick, are cut to length for use as studs in wall and ceiling framing.

Systems: Powermax190c® or 30

Floor and roof truss fabrication

'C' and other shaped galvanized steel channels, typically 16 to 22 gauge (1.5 to .8 mm) thick, are cut to length for truss fabrication.

Systems: Powermax190c or 30

Roofing, siding and decking installation

Corrugated steel panels, typically 12 to 26 gauge (2.7 to .5 mm) thick, are cut to the needed size for industrial and architectural roofing, siding and decking (floor and roof). Installation of roof vents, skylights, or duct work requires the cutting of openings in panels.

Systems: Powermax190c or 30



Metal Building Construction

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.
- High cut quality reduce or eliminate 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.
- System portability offers ease of cutting at various locations.
- The controlled arc and high cutting speeds reduce heat-affected zone and warping.
- Cut a variety of ferrous and non-ferrous metals.
- Use of FineCut™ consumables delivers higher quality cuts as a result of less dross, narrow kerf and virtually no heat-affected zone.



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*Only CSA units available.

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