

Plasma Cutting



Plasma Cutting Systems provide tighter tolerances, minimize machining on finished parts, and provide greater part accuracy than standard flame cutting. Plasma has a smaller heat-affected zone and reduced edge cracking when forming. PC-based control technology increases control in shape cutting.

Advantages include:

- High-quality edge cuts
- Minimal clean-up
- Small heat-affected zone
- Etching and beveling capabilities
- Forming a potential secondary process

Advantages of flame cutting include:

- Thick material capability
- Good edge quality
- In-house stress-relieving, normalizing, and annealing

Loftis offers flame cut pieces (rectangles, ID, OD, and per print items) to customer specifications. Our CNC machines allow us to flame-cut carbon plates up to 6" thick.



SCAN FOR VIDEO



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SPECIFICATIONS

Thickness Range	Maximum Table Cutting Capacity	Overall Tolerance by Thickness	Minimum Hole Size	Materials
Plasma 1/8" to 1 1/2" thick Flame 1/8" to 6" thick	Up to 120" x 240" *Dependent on plate thickness	Less than 5/8" thick = 1/16" 2" to <4" = 3/16" 4" to <8" = 1/4" 5/8" = +/- 1/16" 5/8" to 2" = +/- 1/8" 2 1/4" to 3 1/2" = +/- 3/16" 4" to 6" = +/- 1/4"	Minimum hole size equal to thickness of the plate	Plasma Carbon, Stainless Steel, Aluminum Flame Carbon

This chart is a guideline only. For more specific information, please contact your Loftis representative.

Loftis has a fully integrated CAD Department to handle most file types. Preferred Files: .dxf .dwg .iges .step .stp .pdf
 No Print, No Problem...Loftis offers 2D Scanning – 5ft x 5ft