

Materion Electrofusion Waterjet Cutting Service

Materion Electrofusion Products has an extensive offering of on-demand shop services, including CNC waterjet cutting. We've spent many years developing and perfecting our waterjet cutting capabilities in an ongoing effort to improve manufacturing efficiency and reduce cost in the processing of foil, sheet, and plate materials, and we offer those improved capabilities to you.

Our CNC waterjet cutting services offer the following features and benefits:

- Flexible material selection
- No thermal deformation
- Minimal material waste
- Versatile and programmable CNC system
- CAD / CAM Interface capability
- Low mechanical stress
- No costly tooling or fixtures
- Ideally suited for prototype or production work

Waterjet cutting machines will cut sheet or plate forms of virtually any material—including metals, glasses, ceramics, marble, plastics, rubber and composites.

Waterjet machines operate on the principle that uses a granular abrasive medium suspended in a high pressure water stream to accomplish it's cutting.

Abrasive waterjet streams will cut considerably faster than wire electrical discharge machining (wire EDM) and can handle thicker materials than most laser cutting systems. Our equipment can handle material as big as 40x40 inches. Note that waterjet cutting speeds will vary depending on material type and thickness. Our waterjet machines are CNC programmable systems that cut in X-Y coordinate fashion, making a wide variety of part geometries possible.

Quick turnaround waterjet cutting services are offered for small part quantities and for larger quantities or on-going jobs, we can schedule specific cutting times or batch sizes to fit your needs. For more information, please contact Materion Electrofusion to discuss your specific product and lead-time requirements.



Health & Safety Note:

Handling solid beryllium material poses no significant health risks. However, as with many other industrial materials—materials containing beryllium may pose a health risk, if and when recommended safe handling practices are not followed and adhered to. Inhalation of airborne beryllium may cause a serious lung disorder in susceptible individuals. The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational respiratory exposures. Read and follow the guidance set forth in the Material Safety Data Sheet (MSDS) before working with beryllium. For additional information on safe handling practices or technical data on beryllium, contact Materion Electrofusion.

ELECTROFUSION

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