

Hello,
 We are the new precision cutting service in Kearney, and are excited to form long term, mutually beneficial partnerships, with local manufacturers in the area.

We invite you to reach out to us to see how we can improve your fabrication needs, reduce your secondary processing, reduce your shipping cost or delivery time with our abrasive cold cutting process.

Our waterjet has the largest cutting area within 100 miles (if not the entire state). Our cutting bed is 25 feet long by 6 feet wide and has an accuracy of at least +/- .005". It cuts high quality parts out of almost any material, ranging from very hard metals, to soft flexible rubber/foam.



Metals	Composites	Plastics, Rubber Foams	Naturals
All Grades of Steel : <ul style="list-style-type: none"> Stainless Tool Steel 	Laminates: <ul style="list-style-type: none"> Honeycomb Phenolic 	Plastics: <ul style="list-style-type: none"> Acrylic, Lexan Polycarbonates UHMW, HDPE Teflon 	Ceramics Porcelain Glass
All grades of Aluminum Exotic Metals: <ul style="list-style-type: none"> Brass Copper Inconel Titanium 	Composites: <ul style="list-style-type: none"> Carbon fiber Fiberglass G10 Kevlar 	Foam (open/closed cell) Rubber <ul style="list-style-type: none"> Natural EPDM Nitrile 	Stone: <ul style="list-style-type: none"> Marble Granite... Wood Leather

Cost Savings

Below are some of the ways that waterjet can reduce your costs:

If you are currently ...	Have us....	You save time & money by...
Milling large, odd shaped parts?	Rough cut your blanks with waterjet.	Reduced your tool wear, and machine time
Plasma/laser cutting holes for threading?	Waterjet the holes with no unwanted hardening	Reduced your tool wear, and machine time
Use an EMD cutting process?	Waterjet cut it quicker	Reduced cost of Waterjet compared to EDM
Send your waterjet parts out of state to get cut?	Cut your parts locally	Lower shipping cost & reduced turn around time
Need to sharpen your part edges after plasma cutting?	Waterjet cut your parts with a sharp edge	Reduced secondary sharpening

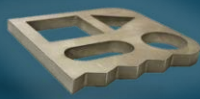
Example Waterjet Parts

Thick Metal	Plastic/rubber
Head Gaskets	Wear Plates
Engine Brackets	Bumper Strips
Rubber Dies	Guide Rails
Timing Belt Gears	Conveyor Parts
Custom Wrenches	Cutting Boards
Food Processing Parts	
Medical Equipment	



MACH 1 Waterjet
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Advantages of Waterjet Cutting



	Waterjet	Plasma	Laser	EDM
<u>Cut Finish/ Secondary Processing</u>	Satin Smooth Usually no cleanup	Bumpy to smooth Typically some slag	Smooth Some edge oxidizing and HAZ	Satin Smooth Usually no cleanup
<u>Edge Quality</u>	Sharp edge	Some rounding of edge	Some rounding of edge	Sharp edge
<u>Heat Affected Zone</u>	None, cold cutting	Typically some HAZ	Typically some HAZ	Very shallow HAZ imparted
<u>Warping</u>	No warping	Some Warping	Some warping	Usually no warping
<u>Material Selection</u>	Virtually any material	Primarily Steel, Stainless Steel & Aluminum	A variety of materials, but primarily steel & aluminum	Only conductive materials
<u>Thickness</u>	8" thick	Generally 1"-2", up to 3" if top of the line equipment.	Generally 1" or less	Up to 12"
<u>Intricate Cutting</u>	Very intricate designs possible	Hot spots/melting don't allow intricate designs	Hot spots/melting don't allow intricate designs	Very intricate designs possible

We would like to come tour your facility or invite you to tour ours. We look forward to working with you to meet your manufacturing needs.

Contact Us For A Quote

MACH 1 Manufacturing
Kearney Nebraska

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 308.627.6533

Available Soon:

- Laser Tube & Sheet Cutting
- CNC Milling
- Sand Blasting

MACH 1 is locally owned and operated by Nebraska natives: Greg & Tammy Geist.

MACH 1 Waterjet
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