Interested in purchasing your own waterjet system? KMT and their system integrators will deliver a turn-key waterjet system specifically designed for your application and production requirements.

800-826-9274 (ask for contract cutting services)
www.kmtwaterjet.com
e-mail: cut-it@kmtwj.com

What we need to cut your product:

- **Material Specification** (type & thickness)
- **CAD Drawing** (dxf, jpg & bitmap accepted)
- **Quantity**
- **Tolerance**
- **Date Needed** (typical lead is about 2 weeks, however we are flexible)

Manufacturing history was made in 1971, when KMT Waterjet Systems Inc. (then Ingersoll Rand) installed the first waterjet cutting system at an Illinois cardboard box manufacturing facility. Today, KMT is globally known as a leading manufacturer of reliable, high pressure pump systems and extreme precision cutting nozzles. KMT also supplies high quality parts and components to integrate and facilitate most every cutting application.

The ability to hold a tolerance of .005", permits KMT Waterjet Systems to be used in a wide range of industries from medical equipment to steel & stone manufacturing and food processing.

Keeping the focus on intelligently developing systems and parts for ease of use and reliable operation, along with continual investment in research and development, has made KMT the largest network of system integrators in the world.

KMT waterjets are sold worldwide with offices in Brazil, Canada, China, France, Germany, India, Italy, Korea, Mexico, Poland, Spain, United Arab Emirates and the UK.

Advancing Waterjet Technology
Worldwide Sales & Support Network
ISO 9001:2000 Certification; CSA & CE Certified
Trained, Certified Technicians

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Baxter Springs, KS  66713

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How KMT Waterjet Cutting Service fits with your application:

• Can handle hard to cut, low volume, short run pieces or prototypes
• Capable of cutting any 2D drawing (dxf, CAD, jpg & bitmap preferred)
• Precision to within .005"
• Very narrow cutting kerf “blade” (± 0.033")
• You can provide materials (or specify the materials and we’ll take care of the rest)
• Environmentally safe, price competitive & economical

Why KMT Waterjet Cutting Service fits with your application:

• “No Heat” clean cutting eliminates heat affected zones
• Reduces or eliminates secondary operations
• Quick proto-typing
• Can cut up to 8" thick material (depending on material)
• Opportunity to watch material being cut to ensure quality
• Can cut, but not limited to, steel, titanium, brass, aluminum, castings, cardboard, untempered glass, rubber, composites, ceramics, Kevlar, stone, tile, granite, leather, carpet, textiles, foam, food and more!*  

Pure Water Cutting

This cutting method is primarily used for cutting soft materials such as rubber, composites, leather, carpet, textiles, foam, food and similar materials. Normal tap water is compressed at ultra-high pressure levels and forced through a small precious stone (sapphire, ruby, diamond) orifice to form an intense cutting stream. The jet stream moves at a velocity of up to 2.5 times the speed of sound, creating the ability to cut at very high feed rates, reducing costs and increasing production runs.

Abrasive Cutting

For your hard materials that cannot be cut with water only, the water nozzle nut is replaced with the Autoline II™ or IDE™ abrasive cutting heads. The high velocity waterjet creates a vacuum which pulls the abrasive (usually garnet) into a mixing chamber, producing a coherent, extremely energetic abrasive jet stream. This process is ideal for cutting intricate patterns in sheet metals, composites, granite and etc. The rates vary according to the material being cut. See reference table below for common material cutting speed rates.

Motorcycle luggage rack cut in the KMT Waterjet Cut Lab (Baxter Springs, KS)

* Materials to avoid are tubes, tempered glass, and inconsistently dense material, such as foam sandwiched between layers of titanium.