

FEDTECH INC.  
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**UPDATE:  
WHAT'S  
NEW!**

- **Waterjet and Laser Cutting At FedTech** (p. 1)
- **New Machinery Arrives** (p. 1-2)
- **Copper Success Story** (p. 2)
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## Up, Up and Away We Go!

The recent months have been quite productive here at FedTech. It seems that there is a great demand for high-quality parts with an emphasis on customer satisfaction.

More of our customers are learning the benefits, and are discovering the difference that waterjet cutting at FedTech can make.

FedTech is able to cut custom parts for any occasion. Our flexibility

allows us to help each of our customers with their specific cutting needs.

We are now offering added value such as:

- Drilling
- Forming
- Deburring
- Finishing
- Custom Assembly
- JIT Delivery

Visit our website for samples of our work, photos of projects we

have done, and the machines that we use. If you have a project in mind, but don't see anything on our site that resembles it, feel free to contact us. With our extensive manufacturing experience, we can help guide you in the right direction and we can answer any questions you may have. After all, that's what we're here for!



## Huge Machinery Yields Huge Results

Our newest investment in waterjet machinery has already made a huge improvement on the production floor.

With a cutting envelope that is 156"x 360", we are able to load and cut multiple large sheets of material at once, providing maximum production capability while maintaining cutting accuracies of +/- .010".

FedTech insists on equipping all its waterjet machinery with multiple cutting heads. This dramatically enhances the cost

effectiveness of the waterjet cutting process. Allowing tighter nesting of parts thus saving material costs. With some of



**Latest machinery**



Above: Multiple cutting heads allows for faster production

*“Making production faster, and more efficient, and in return making costs lower and lower.”*

# Huge Machinery Yields Huge Results (Cont.)

the largest equipment in the Midwest we’re able to solve virtually any cutting need you have.

Another attribute of our new equipment is its 150 horsepower intensifier pump. It generates operating pressure of 60,000 psi and continuous delivery to ensure smooth, high quality parts.

Our new Accustream 60150 HP intensifier pump features the Advanced Intensifier Technology (AIT) which generates a high output

flow rate which in turn supplies high pressure water to more cutting heads.

With the new cutting edge technology, FedTech is able to stay on top of all the tasks put in front of us while maintaining the excellence that we are known for.



Accustream 60150 High Pressure Intensifier Pump

## MACHINERY SPECIFICATIONS:

- Work envelope 156” x 360”
- 4 Cutting heads
- Material thickness up to 10”
- 2,420,000 cubic inches of water
- Cutting tolerance +/- .010”
- CNC Controller
- 10 ton overhead crane



Cutting envelope of 156” x 360”



## Oh My Copper

One of our more recent projects has been cutting through 10” copper bars, a bit of a difficult task.

Traditional milling operations have been found to be much less efficient because of their tendency to leave drop in the unusable state of shavings.

Our machinery instead cuts the copper through the center while

still keeping it in one piece. This allows for the reuse of the copper at a later date. With copper being over \$4,000 a piece here, the customer was lucky enough to save thousands of dollars by reusing the drop.

So, in this application our customer can use the center drop for another part, or recycle at a greater value than they would with chips. Can you say environmentally friendly?



Above: 10” Copper

# While You Were Out



## Donating Our Time and Materials

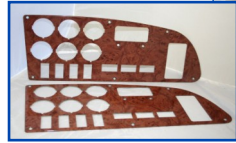
(Right:) Waterjet  
Cut Sample  
(Below:)



these projects, knowing that they will turn out exactly as designed. We're able to use computer aided design (CAD) to ensure that your finished product looks just how you planned.

It is nice to be able to make a difference in the community. Often times when jobs are complete there is excess material left over.

One of the things FedTech has done with this material, is to donate it to a group of students in California. The students goal was to build a new microlift glider, named "The Light Hawk". Because our remnants are traceable and certified, the material met the requirements for the student aviation project.



Odds and ends

projects often come our way that allow us to be creative with our work. Some of these unique jobs can be seen online in our photo gallery. You can also see some of our samples here.

Both waterjet and laser cutting allow us to take on

The new technology of being able to cut these with waterjet machinery has ensured accurate precision and replication quicker than any other process.

Click the picture below to learn more about this project



# Coming Up Next...

## Online Makeover

Wondering what we have up our sleeve? Well, in the next month you can expect to see FedTech's website shaping up. We're doing a lot of work to update it and make the website very user-friendly for our customers. So if you haven't visited the website lately, be sure to check it out!



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## MISSION STATEMENT

Our past, present, and future depends on each employee understanding how quality affects all aspects of FedTech. Quality is a total organizational responsibility. FedTech is committed to providing our customers with products that meet or exceed their requirements, by implementing high quality standards and cost reducing practices. FedTech will fulfill our goal of growth and customer satisfaction through employee management and customer involvement, with continuous quality improvement.



### Stainless Steels

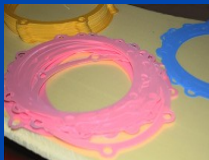
15-5  
17-4

### Red Metals

Brass 301  
Bronze 302  
Copper 303  
Silver Copper 304

### Composites

Fiberglass 316  
FR4 317  
G10 321  
Graphite 347  
Kevlar 409  
410  
416  
440



Don't forget to check out our website, at [www.fedtech.com!](http://www.fedtech.com!)

### Ballistic/Armor

#### Plating

HH  
H480  
H4100  
AR236  
AR400  
AR500

### Plastics

ABS  
Acrylic  
Delrin  
HDPE  
Nylon  
PEEK  
Polycarbonate  
PVC  
Teflon  
UHMW  
Aluminum  
2024  
3003  
5052  
6061  
7070  
7075  
Mic-6 Tooling Plate

# Please Keep us in mind On projects with:

### Steel Alloys

Nickel Silver  
Nickel Alloys  
Hastelloy  
Inconel  
Monel  
Nickel-chromium  
Rene 41  
Rene 88  
Rene 95  
Titanium  
Waspaloy  
Aluminumized Steels  
Armor Plate  
Molybdenum  
Niobium  
Tantalum  
Tool Steels



### Rubber

Buna-N  
EPDM  
Felt  
Foam  
Gum Rubber  
Neoprene  
Poron  
SantoPrene  
Silicone  
Urethane  
Vinyl  
Nitrile  
Viton  
Butyl

- Waterjet Cutting
- Abrasive Waterjet Cutting
- Laser Cutting
- Design
- Forming
- Material Selection
- Finishing
- One-Source Parts Purchasing
- JIT Delivery
- Nationwide Service



### Carbon Steels

A36  
A1011  
A572  
A588  
1008  
1018  
1045  
1075  
1095  
4130  
4140

### Misc.

Ceramic Tile  
Concrete  
Glass  
Granite  
Limestone  
Marble  
Quartz  
Sandstone  
Slate  
Garlok  
Garolite  
Phenolic  
Galvanneal  
Stellite  
Wood  
Zinc  
Cork

