



# MACHINING

Turning, drilling, boring or milling of metal and plastic using power-driven machine tools to mechanically cut the material to achieve a desired shape.



## MATERIALS:

aluminum, stainless steel, carbon steel, high speed steel, tool steel, copper, brass, titanium, plastic, exotic metals, PTFE Teflon, Glass Filled PTFE, Hi-T Teflon, Delrin, Acetron GP, CTFE, Ultem, Torlon Inconel®, nickel & nickel alloys, aircraft alloy, aluminum alloy, bronze, acrylic, polycarbonate/polyethylene/ UHMW, PEEK® nylon, Vespel®, Ultem®, Phenolics & PVC, Lexan, oil lite bronze, HR steel Quadrant Radel R, Ertalite, ASTM A36, Alloy Steels (4140, 4340, 8620)

## NSA DELIVERS SOLUTIONS:

A manufacturer of pumps used in medical devices moved machining work to NSA from its in-house department and other vendors because of NSA's superior quality level which is required to meet FDA standards.

## EQUIPMENT DESCRIPTION

## MANUFACTURERS

### MILLING

6 - Variable Speed Vertical Milling Machines  
2 - Horizontal Milling Machines  
23 - CNC Milling Machines

Cincinnati Milacron, Datron Omnipraptor, Hitachi, Kia, Kitamura, Komo, Supermax

### TURNING

11 - CNC Screw Machines  
73 - CNC Lathes  
1 - Multi Op machining Center  
1 - Engine Lathe

Tsugami, Citizen  
CMS Compact, Ikegai, Kia, Mazak,  
Okuma, Takamaz  
Turri 20" x 72"

### FORMING

8 - Multi Spindle Automatic Screw Machines  
Threading Machine  
3-Single Spindle Machines

New Britain Gridley  
Landis  
Browne & Sharpe

## CONTINUOUS COMMITMENT

**NSA has made a significant investment in 2011 for the installation and implementation of new CNC machines including:**

3 Tsugami Swiss Turns with 12 foot bar feeders  
1 KIA turn multi-op machine

**All of these machines are capable of milling and turning in one operation allowing NSA to eliminate the handling step for faster run times and produce more parts that are free from errors.**



**NSA Industries, LLC.,**  
815 Industrial Parkway, P.O. Box 54  
Lyndonville, VT 05851  
802-748-5007  
[WWW.NSAINDUSTRIES.COM](http://WWW.NSAINDUSTRIES.COM)



*Precision Machining by  
the experienced hands of  
NSA Industries.  
ISO 9001-2008 Certified*