



ACE METAL CRAFTS
c o m p a n y

WHERE YOUR DESIGNS TAKE SHAPE

PRECISION STAINLESS STEEL MACHINING

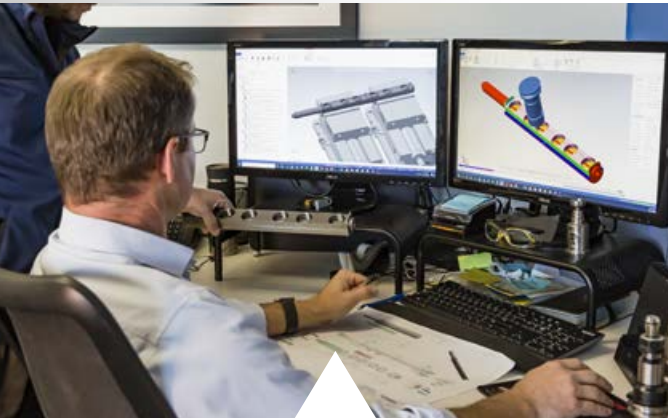


PRECISION MACHINING CUSTOMIZED FOR YOUR PROJECT NEEDS

Our machining services have a streamlined approach to tackle your most challenging projects. With our in-house expertise and state-of-the-art equipment, our solutions are flexible and customized to meet your needs.

We have two facilities, one to support our fabrication division, the other solely dedicated to machining. Our CNC machining centers include vertical and horizontal milling machines, as well as CNC turning, which produce the highest quality parts to meet your most stringent requirements.

Our CNC mills and lathes utilize the latest in technological innovation optimized and engineered to handle your variable sized production runs.



We support your project with value-added engineering, and can handle a wide range of quantity batches, prototype and low to high volume.

OUR COMMITMENT TO EXCELLENCE

For over 60 years, ACE Metal Crafts has provided high quality products and services – which means with every project, you can expect:

- Value added services in-house to decrease lead times and overall costs
- On-time delivery of high quality precision machined products
- A “Customer First” commitment



LOOKING FOR ADDITIONAL SERVICES?

We provide full service, end to end solutions, including:

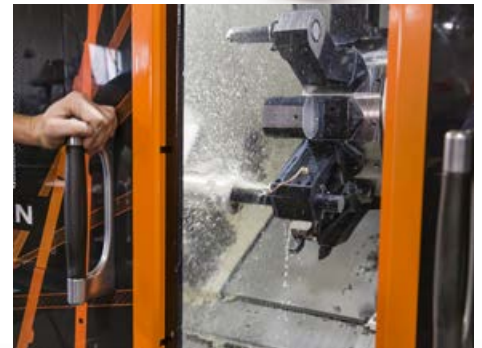
- Polishing
- Welding
- Assembly
- Plating

CNC TURNING

We utilize state-of-the-art CNC Turning centers to produce high quality and high tolerance parts. By employing the latest technology with automated loading and unloading capabilities we provide quick turnarounds to your project.

OUR CNC TURNING CENTER CAPABILITIES INCLUDE:

- Dual spindle technology to allow single setup and complete part machining
- Live tooling
- Coolant systems capable of high precision machining



CNC MILLING

We employ the latest Mastercam software and design for manufacturability in creating the most efficient machining parts process. Our expertise and utilization of this technology provide our team with the ability to machine intricate and complicated parts for the sanitary industries, including pharmaceutical, food processing and packing.

OUR CNC MILLING CENTER CAPABILITIES INCLUDE:

- VMC's capable of close tolerance requirements
- Utilizing the latest technology, including DMG Mori and Okuma
- Latest technologies including
 - High Pressure Through Spindle Coolant
 - Precision Probing Technology
 - 3 + 1 Axis Capabilities



	Work Envelope
Lathe Work	Up to 16" Diameter 57" Working Length
Milling Work	Max length part 84" Max ~84" x 40" bed size
Material Capabilities	300 Series (303, 304, and 316) and 400 Series Stainless Steel 17-4 PH in A condition and 17-4 Heat Treated Aluminum 6061 with optional Anodizing Carbon steel Titanium
Volume Product Mix	Small and Medium runs with options for Blanket Orders

YOUR MACHINING REQUIREMENTS WORKSHEET

(check all options which apply)

YOU NEED PRECISION MACHINED PARTS

Level of Complexity

TOLERANCES

- Complex tolerances up to +/-0.0005"
- Flatness > 0.005"
- Parallelism > 0.005"
- Perpendicularity > 0.002"
- TIR > 0.003
- Concentricity > 0.0003
- Straightness > 0.003

FINISHES

- 16RA or better on Inside Diameter (ID)
- Mirror finish

Material Requirements

- SS300 & 400 series
- 17-4ph SS
- Aluminum
- Aluminum Bronze
- Titanium
- Carbon Steel

Volume Requirements

- 5-1000 pc/per year
- Small and Medium runs with options for Blanket Orders

Your project would benefit from

- Plating
- Welding
- Polishing
- Assembly

You require prototypes

Your project requires Design For Manufacturability support

Contact ACE
I'm ready to
get started!