



WALCO Tool & Engineering Corporation  
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Call Today, Speak with a Professional

[www.walcotool.com](http://www.walcotool.com)

ISO 9000 REGISTRATION  
ANAB Accredited



**WALCO**  
TOOL & ENGINEERING CORPORATION



**HIGH QUALITY ■ VALUE ADDED  
LOW PRODUCTION MACHINING**

# TEAMWORK

## PARTNERS FROM START TO FINISH

WALCO Tool and Engineering is a progressive contract machine shop that specializes in high precision, high value added components. With a broad range of capabilities including machining centers up to 14 feet, turning centers, large surface grinding, welding and polishing, we control the process internally from start to finish. Our skilled employees have grown WALCO since 1968 to our current ISO Registered, 60,000 square foot facility.

WALCO employs a staff of Project Engineers who act as the internal partners for our customers. These engineers are the primary contact from the quote stage, through the process development, management and shipment of new parts. They insure open communication both internally and externally with our customers. The team of Project Engineers work hand in hand with the programming, manufacturing and quality departments to provide a positive customer experience which includes seeking feedback to continuously improve our service.

## MISSION STATEMENT

WALCO Tool and Engineering provides the solution for high value, high quality, machined components at competitive pricing. Our engaged and motivated workforce insures continuous improvement and responsiveness for our customer's success. This teamwork stimulates profitable growth for WALCO and its' customers.

## VISION STATEMENT

Walco assists our family of customers with high value added machining, turning, grinding, welding, and responsive service. Our engaged team members nurture a culture of continuous improvement that builds an extension to our customer's teams for our mutual future success.

# RELIABILITY

## TOTAL QUALITY CONTROL

WALCO's philosophy is to build quality into each step of the process. Our highly skilled machinists setup each job and insure the high quality our customers rely on.

Our quality control lab provides an added step to assure these customers' needs are met, as well as providing any required documentation.

WALCO offers three CMM's to service the complex needs of parts, with verification of 3, 4 and 5 axis work. WALCO's lean approach with responsibility at the machining level and with the verification as an integral part of the process insures very high, repeatable quality.

## INDUSTRIES WE SERVE

- NUCLEAR RESEARCH / DEFENSE
- MEDICAL
- PHARMACEUTICAL
- FOOD PROCESSING
- TRANSPORTATION
- PACKAGING
- AUTOMATION
- HEAVY EQUIPMENT
- TELECOMMUNICATIONS
- ENERGY



# CAPACITY

## ADVANCED TECHNOLOGY

Advanced CNC technology permits WALCO's manufacturing staff to program the production of your part up to 167" in size and with bridge crane capacity up to 30,000 lbs.

Our skilled machinists implement improvements and are the lean foundation for allowing our customers to continue to grow their business.



# RESPONSIVENESS

## TURNING

High accuracy and reliability are the standards in our production lathe department. Okuma lathes capable of turning up to 21.65" diameter x 33" in length gives WALCO a competitive edge in today's market place.

Four-axis turning allows us to simultaneously cut with both the upper and lower turrets resulting in reduced cycle time and vastly improved productivity.



# FLEXIBILITY

## TRUE 5 AXIS MACHINING CENTER

Our SNK is a bridge type high speed 5-axis machining center with a work envelope of 167" x-axis, 108" y-axis and 56" z/w-axis. The SNK is equipped for highly efficient precision machining operations ranging from 3-axis machining to 5-axis continuous machining of 3D contours.

## SNK Double Column RB-200F

- True 5 Axis Machining Center
- 40 Tool Capacity
- Equipped with Renishaw Probe
- Capacity of 33,000 lbs
- Travels 167" x 108" x 56"



# EFFICIENCY

## Niigata HN80D

- 2 Pallet System
- 4 Axis Precision Machining Center
- Marposs Touch Probing
- Glass Scales

## Dorries Scharmann

- Travels 90" x 79" x 67"
- Turning capability of 79"
- Combined turning with 5-sided machining
- Renishaw probe
- 3 pallet system
- Heidenhain glass scales



# AGILITY

## STREAMLINED PROCESS

Stored part programs can be quickly retrieved expediting repeat orders. All CNC machining centers are connected via DNC with our engineering server for downloading of programs, tooling lengths, offsets and visual aids.



# PRECISION

## PRECISION SURFACE GRINDING



With our 7 surface grinders and 3 rotary grinders, WALCO can meet your most complex grinding requirements.

Our grinders range from 12' long to 38" wide.

Additional capability includes vacuum grinding of non-magnetic material up to 36" x 72".

## WELDING - AWS CERTIFIED



### MIG Benefits

- All position capability
- Higher deposition rates than SMAW
- Long welds can be made without starts and stops
- Minimal post weld cleaning is required

### TIG Benefits

- Superior quality welds
- Welds can be made with or without filler metal
- Precise control of welding variables
- Free of spatter and low distortion

## POLISHING



Our polishing capabilities serve industries such as pharmaceutical, chemical, medical, food and powder coating OEM industry demands.

# TECHNOLOGY

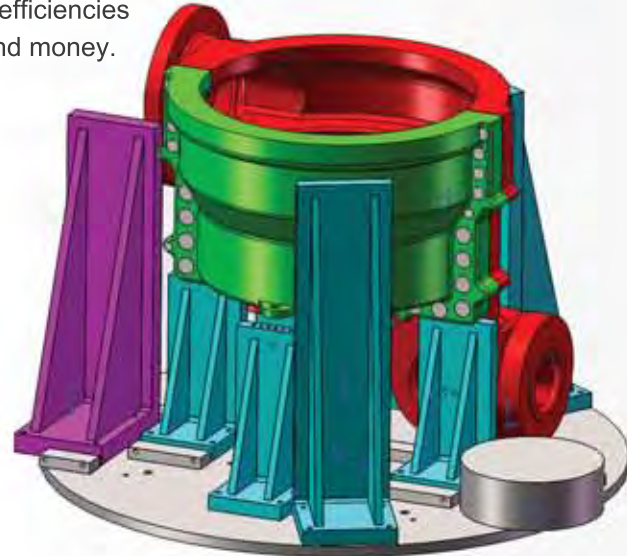
## CAD / CAM SOFTWARE

CAD / CAM software enables us to download 3-D solid models directly into our CAM software. These models are used to verify CAM data and to optimize machining techniques.

- SURFCAM
- SolidWorks
- AutoCAD Inventor Suite

## VERICUT

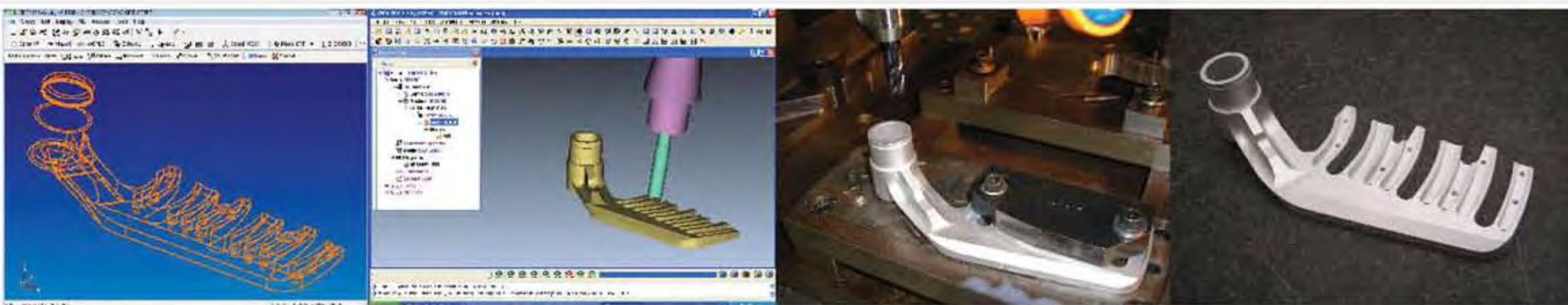
The use of Vericut enables our programmers to detect errors or inefficiencies before the part is actually loaded onto the machine, saving time and money.



## EPICOR

Epicor combines advanced technology with robust functionality to provide an end-to-end system including:

- Comprehensive scheduling capabilities
- Fully integrated relationship management solutions
- Extensive business intelligence tools
- Integrated and customizable solutions
- Advanced material management
- Inventory control capabilities.



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