

## CNC Milling

Witco's CNC milling department has grown significantly in the last few years. As workloads have increased and the tolerances have tightened the need for new state of the art technology has increased. Our newer equipment allows us to shorten setup and load times, increase feed rates, and hold tighter tolerances. This results in more throughput and lower cost to the customer.

Witco has three 5-axis milling machining centers and 21 mills overall. Our capabilities are listed below:

X axis	Up to 50"
Y axis	Up to 26"
Z axis	Up to 25"
A axis	±120 °
B axis	360 °
Tolerances	0.0001

Engineering	Witco has a staff of engineers that verify the requirements of every part. During the review process they make recommendations to help the manufacturing design of a component and therefore reduce the overall cost.
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Programming	Witco has the ability to reverse engineer by utilizing the capabilities of our Zeiss Prismo CMM. It is able to read dimensions and then create a program to complete the machining process. Our engineering staff utilizes Solid Edge CAD, AutoCAD 2000, and Gibbs CAM.
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Acceptable Drawing Formats	AutoCAD, Solidworks , Catia STEP , STL , ACIS , IGES ParaSolids , ProE , Solid Edge
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## CNC Turning

Witco offers fast and accurate CNC turning services. Our growing CNC turning department consists of many state-of-the-art CNC lathes and bar feeders. Several of our lathes have multiple turrets and are equipped with live tooling. This enables us to perform both milling and tapping operations in one machine which reduced costs to our clients.

Witco has two 6-axis and two 4-axis turning centers. Our lathe department includes 16 CNC turning centers, 6 – 12 foot bar feeders, and 5 – 4 foot bar feeders. Our capabilities are listed below:

Maximum Diameter	23.62"
Maximum Length	80"
Maximum Through Hole	4.50"

Engineering	Witco has a staff of engineers that verify the requirements of every part. During the review process they make recommendations to help the manufacturing design of a component and therefore reduce the overall cost.
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Programming	Witco has the ability to reverse engineer by utilizing the capabilities of our Zeiss Prismo CMM. It is able to read dimensions and then create a program to complete the machining process. Our engineering staff utilizes Solid Edge CAD, AutoCAD 2000, and Gibbs CAM.
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