

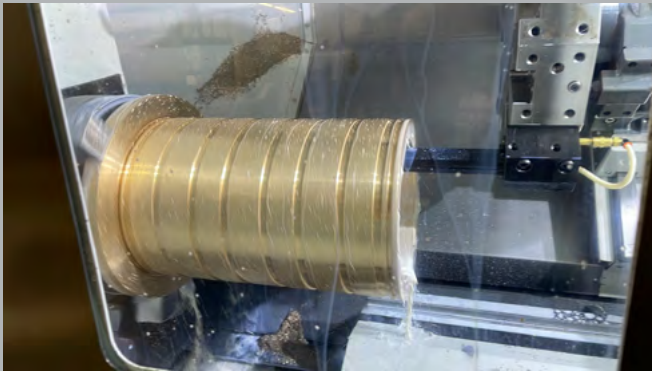
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(603) 585-7106

Think of ABTech for all your precision components. The precision you wouldn't find in a typical job shop is why people come to ABTech. In addition to metrology and inspection, we offer manufacturing capabilities, custom parts, tooling, and specialty components.

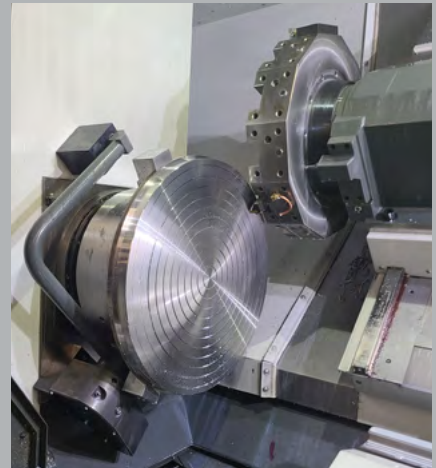


TURNING CENTERS

At ABTech, we have several lathes that perform with a wide range of capabilities. Small, medium, or large, whatever the job may be, our in-house turning machines meet the various needs of our customers.



The Haas ST45 machining a bearing bronze journal. We start with a 1400 lb bronze casting and machine down to 400 lbs!

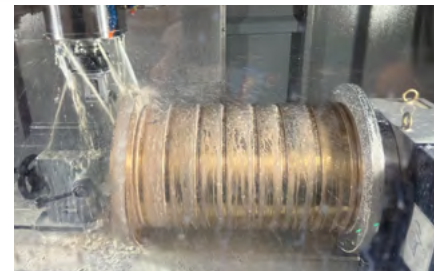


The Haas ST45 machining a 24" worktable.

Machine	Uses	Size Envelopes
Haas ST 45	Large Turning CNC	26" Max
Rockford	Large Turning	13.625 Dia Max
LeBlond	Medium Turning	10" Max
Hardinge	Small Turning	5" Max
Hurco TM8	Medium to Small Turning CNC	9" Max

MILLING CENTERS

Our CNC milling machines handle everything from the simple to the most complex. We can produce parts with extremely high tolerances on our multi-axis mills. Whether it's general milling and drilling, or high-volume productions, we have the capabilities to deliver the right part for the project.



4-axis milling on the Hurco VM50.

Machine	Uses	Size Envelopes
Knee Mill, Newall	General Milling & Drilling	33" x 15"
Knee Mill, Webb	General Milling & Drilling	33" x 15"
Knee Mill, Bridgeport	General Milling & Drilling	27" x 12"
Hurco Vm1	High Volume and/or Complex	26" x 14"
Hurco Vm2	High Volume and/or Complex	40" x 18"
Hurco Vm30	High Volume and/or Complex	50" x 20" x 20"
Hurco Vm50	High Volume and/or Complex	50" x 26" x 24"
FHM7 Trak Mill	High Volume and/or Complex	59" x 22" x 20"
DPM3 Trak Mill	High Volume and/or Complex	20 x 40 x 20

GRINDING CENTERS

If a part needs grinding, ABTech has the right machine for the job. If material needs to be expertly removed to achieve the most precise measurements, or a surface needs an ultra-fine finish, we have the tools we need. Grinding, lapping, honing; ABTech can do it all.



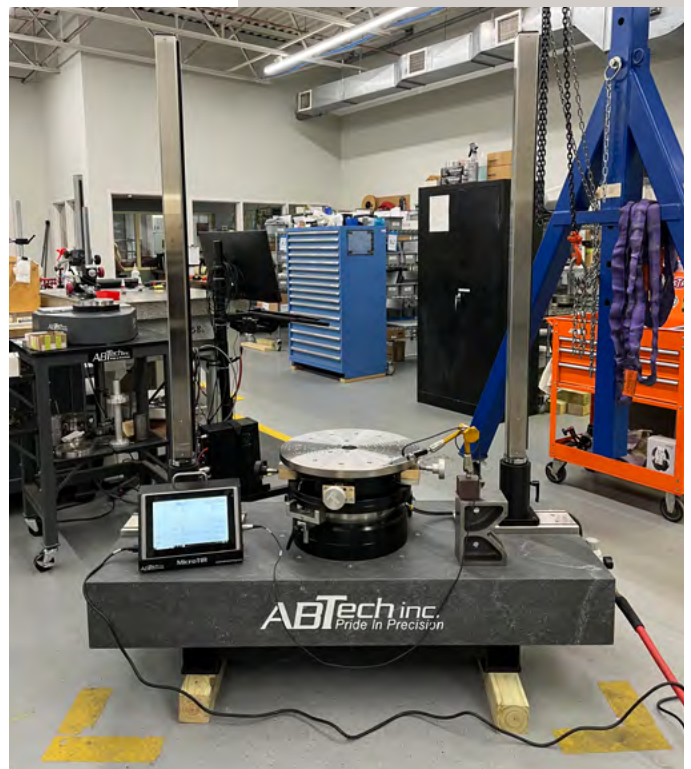
Machine	Uses	Size Envelopes
B & S #2 (small)	OD; shafts	14.75" Dia x 24" LG
Heald ID (small)	ID; journals	17" Dia x 10" LG
B & S #2 OD (large)	OD; shafts	20" x 24"
Heald ID (large)	ID; journals	32" x 10"
Studer Favorit	OD; shafts	40" x 13"
Heald Radial	Radial; worktables, thrust plates	24" Max
Grand Rapids Surface	Large flat	48" x 18"
Okamoto Surface 1224	Medium flat	24" x 12"
Okamoto Surface 3280	Large flat	80" x 32"
B & S Surface	Small flat	18 x 6
Blanchard	Roughing & large dia. tables	36" dia.
LapMaster	Lapping	18 dia.
Sunnen Hone	Hone	

ASSEMBLY & INSPECTION

ABTech's fully-staffed assembly department builds and tests the systems we produce. For inspection purposes, we have a Quality Assurance Team and a fully documented Quality Management System in place. There are several machines on the floor that inspect everything we manufacture to exacting standards.



Our MicroForm™ line of roundness gages quickly and easily measure precision geometric forms.



Inspection Equipment

(4) MicroForm form measurement gages from 100mm to 900mm (4" to 36") up to 3000 lb capacity

Mitutoyo Height Master

4) MicroTIR Gage and Tesa GT-31 gage heads

Federal Products Bore Gage (set of 3)

Federal Products Pocket Surf Surface finish analyzer

Micrometer set from 0 - 12"

Renishaw ML10 Laser interferometer and included optics

AA Gage Ultradex rotary table Serial #531 MOD A

Zygo 22" Zerodur straight edge S/N Z019

Air bearing straightness gauge

Wyler electronic levels

OTHER CAPABILITIES

The shop floor is full of machines that aid us in finishing our projects. From sanding to sawing to air compressors and a wash tank, ABTech houses a comprehensive array of machines, run by machinists who take care of them and maintain a clean and safe work area.

Machine	Uses
Vertical Band Saw	Cut stock
Horizontal Band Saw	Cut stock
Belt Sander	Sand
Wash Tank	Wash

