

Focusing on Quality Parts and Services Since 1980.



Your One-Stop Machine Shop...



See What We Can Do for You!

Malabar Manufacturing, Inc. is machine shop specializing in turned parts machining. Our full service shop has extensive screw machining capabilities and a state of the art CNC mill and lathe department. We focus on mid to high volume production with our screw machine department while utilizing our CNC department to focus on low volume short production runs, as well as samples and prototypes. Our inertia weld department began in 1985 and excels at producing bi-metal contact assemblies, a perfect solution for the critical applications found in the high voltage utility industry and other high stress environments.



Malabar Manufacturing Equipment Specifications Sheet

Equipment	Capabilities	Capacity
SCREW MACHINES		
3 – 1" RAN Acme 6 spindle	ID and OD threading, reaming, pick-off backchamfer, broaching	1" diameter round bar, 7/8" Hex bar
1 – 1-1/4" RB8 Acme 8 spindle	ID and OD threading, reaming, pick-off backchamfer, broaching	1-1/4" diameter round bar, 1" Hex bar
1 – 1-5/8" RB6 Acme 6 spindle	OD threading, reaming, broaching	1-5/8" diameter round bar, 1-3/8 Hex bar
1 – 2-5/8" RB6 Acme 6 spindle	ID and OD threading, reaming, pick-off backchamfer, broaching	2-5/8" diameter round bar, 2-1/4" Hex bar
CNC MACHINES		
Haas VF3 Mill	3 axis machining, Milling, drilling, broaching, threading	40" X axis travel, 20" Y axis travel 25" Z axis travel
Haas ST30SS Turning Center	3 axis machining with live tooling and C axis	3" Bar capacity
Haas TL-1 Tool Room Lathe	2 axis tool room lathe	8" Chuck, 16" Max cutting diameter, 30" Max cutting length
Haas ST-20 Turning Center	2 axis turning center	2" Bar capacity
Haas ST-10 Turning Center	2 axis turning center	1-3/4" Bar capacity
Haas ST-15 Turning Center	2 axis turning center	2" Bar capacity
INERTIA WELDERS		
Inertia Welders 1	This machine will weld copper to aluminum making bimetal connectors	Capable of making .625", .650", .780", .820" Dia Connectors
Inertia Welders 2	This machine will weld copper to aluminum making bimetal connectors	Capable of making .625", .650", .780", .820" Dia Connectors
Inertia Welders 3	This machine will weld copper to aluminum making bimetal connectors	Capable of making .625", .650", .780", .820" Dia Connectors
ROBOTICS		
Automated Robotic Index Machine 1	Process bimetal connectors. Chamfer/drill/tap/deflash/roll mark	Capable of processing .625", .650", .780", .820" Dia Connectors
Automated Robotic Index Machine 2	Process bimetal connectors. Chamfer/drill/tap/roll mark	Capable of processing .625" Dia Connectors
Automated Robotic Lathe Cell	Robot loaded CNC lathe, machines copper slug for inertia weld operation	



SECONDARY VALUE ADDED

Drilling • Tapping • Broaching
• Milling • Roll Marking
• Parts Washing • Bending



OUTSIDE PROCESSES

Heat Treating • Plating • Welding



MATERIALS

Carbon Steels • Copper • Brass
• Aluminum • Plastics – UHMW
• Stainless Steels • Alloy Steels
• Rounds, Hexagons, Squares, and Other Shapes