



Ehrhardt Engineered Solutions

MACHINING SERVICES

“To become one of the leading brands in the the world, companies need to to deliver quality products in a consistent manner. Ehrhardt makes this possible.”

From manual machining equipment to 5-sided CNC machining for sizes up to 9' x 16', we have a wide range of capability to fit many critical requirements. Ehrhardt utilizes manual and live tooling lathes with sub-spindles and bar feeders that can handle sizes up to 32" x 82" with 3" through spindle size. Our hard milling centers with high speed spindles allow machining of heat treated components to a hardness of 65 R/C avoiding any material movement caused by the heat treat process.



MACHINING SERVICES

Equipment List

CNC MACHINING CENTERS

- (2) Okuma Vertical CNC Double Column MCR-A5C Machine Center
- Toyoda SB316 Bridge Mill
- Giddings & Lewis 70H5T CNC Horizontal Boring Mill
- Makino V55 High Speed Machining Center
- Okuma High Speed Mill MB-56VA
- Mori Seiki NVD4000DCG
- Mighty VMC-2100 VERT
- (4) Mori Seiki Duravertial 5100
- Fadal 6030 HT Machining Center
- Fadal 4020 HT Machining Center
- Fadal VMC 4020 Vertical Machine Center
- Kitamura M-2 Machining Center
- Makino RMC 55
- Fadal VMC 2216

CNC LATHES

- (3) Mori Seiki NL2500SY Live Tooling Lathe with Sub-Spindle, (2) with Bar Feeders
- Harrison 550S Lathe
- Okuma LB-25 Lathe
- Okuma Cadet LNC 8 with Bar Feeder
- Star SR-20R Swiss Lathe
- Tsugami BS-26 Swiss Lathe
- Mori Seiki NZ2000 T2Y2 Live Tooling Lathe with Sub-Spindle and Bar Feeder
- (2) Tsugami SS26 Swiss Lathe
- Ecoca SJ-20 Lathe

CNC GRINDER

- Parker Majestic Freedom

WIRE EDM

- Agie Progress V4
- (3) Agie 300 Challenger

EDM

- Agie Elox Mondo 40
- Agie Elox Mondo 50
- Chmer EDM Driller

PUNCH PRESSES

- Brown Boggs 800 Ton
- Brown Boggs 400 Ton
- Niagara 250 Ton
- Minister 135 Ton SS Variable Speed

- Bliss Model 28 95 Ton OBI
- Clearing 75 Ton
- Minister 60 Ton OBI
- (2) Bliss 35 Ton OBI
- Clearing 32 Ton
- (4) Minister 32 Ton OBI
- (3) 200 Ton Hydraulic Presses

QUALITY CONTROL

- Wenzel LH1210 CMM
- Sheffield 1808 MEA Cordax CMM
- Sheffield 1805 MEA Cordax CMM
- (4) Jones and Lamson FC-14
- Nikon Measuring Microscope
- Rockwell Full Range Hardness Tester
- Brinell Surface Hardness Tester
- Profilometer
- (3) Optical Comparator
- (2) Temperature controlled rooms with Comprehensive Line of Gauging and Inspection Equipment, traceable to NIST.
- Brown and Sharpe MicroVal 454 CMM
- Brown and Sharpe Micro HITE DCC 454 CMM
- OGP Smart Scope Flash 500
- (2) OGP Smart Scope Flash 250
- Keyence Vision Inspection Machine IM-6025

JIG GRINDING

- (2) Moore #3

SURFACE GRINDERS

- (2) Okamoto Surface Grinder ACC20-40DX
- (3) Okamoto Surface Grinder ACC-16.32DX
- Chevalier FSG-2460TX NC Control
- Brown and Sharpe 1236
- Brown and Sharp 1030
- Brown and Sharp 824
- Brown and Sharp 618
- (8) Taft Pierce #1 Precision

BLANCHARD GRINDER

- Blanchard #18

FORM PRESS

- Magnum Press 250 Ton
- Clearing Press 200 Ton
- (2) ETM Press 200 Ton

FORM GRINDERS

- Brown and Sharpe 618
- Brown and Sharpe 824
- Boyar-Schultz #2 Profile Grinder
- (2) Drill Sharpeners

HONING AND LAPPING

- Sunnen Power Hone Borazon and Diamond Equipment
- Taft-Pierce Lap

CYLINDRICAL GRINDERS

- Cincinnati Universal
- Brown and Sharpe 1024U
- Brown and Sharpe #1

JIG BORING

- Brown and Sharpe #310 Dynamaster
- (13) Bridgeport Series 1

MILLING MACHINES

- Sunnen Power Hone Borazon and Diamond Equipment
- Taft-Pierce Lap

BORING MILLS

- Giddings & Lewis Horizontal Mill
- DeVlieg 3H-48 Horizontal Mill

DRILL PRESSES

- (5) Radial Arm Drill Presses
- (8) Leland-Giffard 2LVS
- Ooya 8' Radial Arm

LATHES

- Monarch Engine Lathe
- Lagun Engine Lathe
- Tuda Jumbo-8 Gap Bend
- (4) Hardinge Tool Room Lathes

WELDING

- Linde 225 Mig
- Miller 330A/BP Tig
- Miller Dimension 400 Dual Feed Mig
- Miller LMSW-52T Spot Welder

- Brunson Jig Transmit and Pentax Sight Level with Brunson Invar Kit
- (6) Pulse Welder
- (3) Ehrhardt Auto Spot Welder
- Miller portable welder
- Miller welder 456p
- COBRAMIG 260
- Laser Welder

CUTTING

- Thermal Arc Plasma Cutter
- (2) Marvel band saws
- (3) Do-All Power band saws
- Iron Worker (Brobo)
- SPI Laser Cutter
- HEM Saw

METAL CLEANING

- (2) Ramco MK30EUSS Ultrasonic Cleaning/Agitating Cleaning System
- Custom Ramco automated cleaning line
- Sweco Tumbler 62513
- Zero Blast-N-Peen, Bead Blaster

HEAT TREATING

- Abar Ipson HR-34x40 Vacuum Furnace
- Lindbergh Atmospheric Draw Furnace
- Vulcan 3-550 HT Furnace

MISCELLANEOUS

- Aeroquip Hydraulic Hose Crimp Machine
- Autoclave: 1L High Temperature Bolted Closure Pressure Vessel
- Met Sample preparation equipment

SHOP FLOOR CAD/CAM

- (3) Esprit
- (2) Mastercam

ENGINEERING

- (10) SolidWorks
- (3) AutoCad Mechanical
- (2) AutoCad Electrical
- Ansys
- (5) Rockwell Automation Tool Kits