

WHERE QUALITY COUNTS

Ross Machine Shop was established in 1983. Shortly thereafter, we launched our company slogan, "Where Quality Counts". Since that time we have continually grown and currently reside in a building that provides over 30,000 square feet of shop space. Our building also houses our sister company, Armour Steel Fabricators, who offer a variety of welding and fabricating services.

Ross Machine Shop believes in providing a safe work environment. We recently received our COR (Certificate of Recognition) for our health and safety program and we have also received a Certificate of Achievement from WCB. Ross Machine Shop is also registered on ISN and Avetta to help manage our safety rating.

We believe the success of our company is directly related to our team of management, machinists, millwrights and support staff and their commitment to provide our customers with quality services and a quality product!

Please see our list of services to see what we offer and how we can help you!

We would appreciate the opportunity to quote any work you may have upcoming. We would be happy to travel to your site to discuss our abilities and experience in preparation for any projects you may have or for any work that you yourself may be bidding. We would also be pleased to arrange a tour of our site at your convenience.

MANAGEMENT

CEO/President: Henry Vanderleest
General Manager: Kevin Lorenz
Supervisor & Estimator: Paul Collins
Industrial Mechanic Supervisor: Cory Berkan
Machine Shop Customer Service: Ernie Boehm
Machinist Supervisor: Shawn Rowsom
AutoCAD: Adrien Dumonceaux
Safety: Rihana Posehn
HR Department: Patrice Easton

ROSS MACHINE SHOP LTD.

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www.rossmachineshop.com



**MACHINING
PERFECTION**

SERVICES

Machining

- CNC Lathe
- CNC Milling Machines
- Vertical CNC Boring Mills
- Horizontal CNC Boring Mills
- Conventional Lathes and Milling Machines
- Drilling
- Internal Keycutting

Portable Machining

- For shutdowns, breakdowns or new installations.
- Oval Manway Cutting
- Pump and Motor Bases
- Flanges
- Key Way Cutting
- Drilling & Tapping
- Pipe Cutting
- Weld Preparation

Millwright Services

- Experienced in reconditioning with the support of our machine shop.
- Valves (up to 36")
- Gearboxes (as large as 38' long)
- Bearing Assemblies
- Rebuilding of Pumps (slurry, water, propane, etc.)
- Motor and Pump Installations
- Laser Coupling Alignments

Computer Aided Design

- AutoCAD 2D or 3D
- Inventor 3D
- Mastercam
- Advance Steel

Stress Relief

- Our Metal-Lax vibratory stress relief system is a sub-harmonic stress relief and weld conditioning system.

Welding & Fabrications

Complementing our machine shop facility, Ross Machine Shop specializes in industrial shutdowns, participates in on-site plant maintenance programs, and complete machining service for shutdowns during the year.

EQUIPMENT

Lathes

- 11 in total, sizes range from 16" x 60" to 42" x 240"

CNC Vertical Lathe (Boring Mill)

- Capacity up to 80" diameter x 68" high

CNC Lathes

- 4 with a capacity up to 28" x 120"

Milling Machines

- 4 with various attachments and capacities to do all milling functions.
- 2 Bed Milling Machines
- Capacity up to 60" x 50" x 335"
- 100,000lb weight capacity
- Ability to cut external and internal splines and gears
- Tool and die capable
- 4th Axis Milling

CNC Milling Machines

- 4 machines, capacity up to 40" x 40" x 80" and 4th Axis

1 CNC Boring Mill

- Capacity up to 120" x 80" x 60"
- 45,000lb weight capacity

2 Boring Mills

- Capacity up to 60" x 48" x 80"
- 15,000lb Weight Capacity

Internal Keycutting:

- Using a combination of internal milling machine attachment, a keyseater machine, or a 12" vertical slotter, keyways of any size can be cut

Portable Machining:

- 4 Portable Mills
- Milling capacities up to 30" x 80" & 36" x 60"
- Flange Facing - any size
- 2 Boring Machines: up to 18" diameter x 96" long
- Portable Keyway Cutting: 4" Keyway, 20" Shafts
- Portable Drilling
 - Up to 4" diameter drilling
 - Up to 2" diameter tapping
- Pipe cutting and weld preparation available on request.
- We have miscellaneous tooling and accessories to guarantee our accuracy such as laser alignment, a precision optical level, machinist levels and precision straight edges.

Material Handling Equipment

- Overhead Crane capacity of 20 tonnes
- Forklifts up to 8,000 lbs
- 11 - Service Trucks
- 2 - 1 Ton Flat Deck for pick-up and delivery
- 1 - 5 Ton Flat Deck for pick-up and delivery

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Our welding department can provide many welding processes that include general fabrication from steel, stainless steel and aluminum and brass products. We also do wear overlays and submerged arc overlays such as aluminum bronze, manganese bronze, stellite, monels, carbides and various stainless steels. For more details, visit our Armour Steel Fabricators website: www.armoursteelfabricators.com