



Canadian Maritime Engineering



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ISO 9001 : 2000

Modern CNC Addition to the CME Machine shop facility



The Cincinnati Milacron Sabre Machining Centre

Sabre - Machining Centre





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Axis Travel Ranges, XYZ

Longitudinal, (table, X-Axis) mm	2032 (80")
Cross (saddle, Y-axis) mm	762 (30")
Vertical (Spindale Carrier, Z-axis) mm	820 (32.28")

Table, X-axis

Work surface dimensions - length/width mm	765 x 2132 (30.11" x 83.94")
Load Capacity kg	1680 kg / 1.8 tons

The machine and control are integrated to comprise an efficient manufacturing system. Thus, machining cycles can be completely automatic, including tool selection, tool positioning, selection of spindle speeds and cutting feeds, coolant control with other related auxiliary functions and/or combinations of control. The machine and controls are completely compatible, each taking advantage of the capabilities of the other.



Head Office

90 Thornhill Drive
Dartmouth, NS B3B 1S3
Tel: (902) 468-1888
Fax: (902) 468-1890

Central Canada

866 Philip Street
Sarnia, ON N7T 1Z6
Toll Free: 1 (877) 468-1888

Western Canada

825 Admirals Road
Victoria, BC V9A 2P1
Tel: (250) 475-3553
Fax: (250) 475-3554

www.cmelimited.com
office@cmelimited.com



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Diesel Equipment Repairs and Maintenance



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Diesel

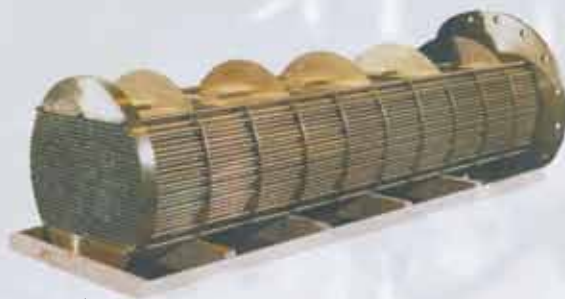
CME's highly skilled diesel mechanics have years of experience in servicing all makes and models of diesel engines. We are recognized as industry leaders in the dismantle, overhaul and reassembly of diesel engines, from the smallest models to the largest, including marine propulsion engines. You can rely on CME for all your diesel engine repairs and parts servicing.

Specialized Services

- Parts rebuilding to OEM standards and subject to Lloyds, ABS, DNV inspection
- Dismantle, rebuild and reassemble of all makes and models of diesel engines, machinery and rotating equipment



- Installation of complete propulsion systems, new generating sets, realignment of existing engines and grouting by qualified personnel
- Precision alignments & epoxy chocking
- Babbitt bearings (CBB) new and remetalled



Heat Exchanger Repair & New Manufacturing

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Large Sulzer Engine





GE Transportation Systems Marine and Stationary Power



V250 Engine

- 3655 – 5685 hp (2725 – 4240 kw)
- 6.5% Fuel Saving - Meeting Tier 2
- 25% Greater Power Density

EMD Compatible Engine Components

- Complete Line of EMD Parts
- Meets or Exceeds OEM Specs
- MARPOL & EPA Tier 2 Emission Kits
for EMD Engines





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Heat Exchanger Repairs



With a solid reputation for consistently delivering innovative solutions along with dependable service, high quality workmanship and competitive pricing, Canadian Maritime Engineering is the source for all your machining, welding and fabrication needs.

Machine Shop

CME's integrated modern machining and fabrication plant offers a full range of equipment and experienced operators.



▲ Flange Facing

▼ Horizontal Boring

- Conventional machining lathes in accordance with specification sheets
- Full range of milling machines
- Large vertical boring

On-Site Machining

Our on-site machining service using portable machines can handle anything, from milling to boring to flange facing to shaft turning and more. Experienced staff, modern equipment and on-site know how assures you of the most effective and efficient job right on site, to save you time and money.



CME

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▲ Pump Services



background image: Custom Machining

▼ Large Portable Boring Machine



▲ Portable Milling Machines

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Machining Shop & Onsite Machining



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Boring Mill
Machining Large
Piston

Large Diameter Flange Facing 12'



Machining New Hydro Turbine Shaft

Machining Shop & Onsite Machining



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Large Diameter Machining OD
Portable Boring Bar
Inside Diameter Machining.



On Site Machining 5x10'
Flange Facing.

Gearbox Repair





Canadian Maritime Engineering

Services Offered:

- Rotating Equipment Repairs and Overhauls including Design/Modify (turbines, pumps, gearboxes, etc.)
- Full Service Machine/Welding/Fabrication Facility and On-site Service Shop
- Balancing up to 20 Tons
- Field machining out to 12'
- On-site Millwrights, Field Machinists, Mechanics, Electricians, Welders, etc.
- Large and small fabrications
- Crane Services (17 Ton boom Truck)
- Pressure Vessel work - "R", "U", "PP" Stamps
- Titanium Welding
- Licensed Overhead Crane (repair and new)
- Electricians
- Construction & Electrical Division
- Laser Alignments
- CME Painting & Coatings - Teflon, Halar, Xylan, Kynar, Ceramic, Nylon
- In house Engineering staff

Our skilled professional tradesman thrive on meeting the challenge to provide our customers with the required solution.

CME works closely and supports the services offered by CBB and CSC along with many other skilled companies to get the job done right.

If we can't do it chances are we can source it for you.

CME is proud to be operated as "A Best Practices Company"

Virtual Brochure available at www.cmelimited.com



Canadian Maritime Engineering

Some of our power generation experiences are:

N.S Power: Ruth Falls Station

- Overhaul and refurbishment of 3 main turbine inlet valves 72" & 96" Diameters, rebuild actuators, cast & machine new components and install/align.
- Welding and machining of main turbine shaft, fabrication of special tooling.

N.B. Power: Mactaquac

- Machine boring in place on main spider assembly
- Insitu machining of Wicket gate seal modifications

N.B. Power: Thermal

- on-site machining for intercept control valves
- on-site machining and flange facing of critical seal faces
- InSitu align boring applications and laser alignment

Morgan Falls Power:

- Replacement of main water turbine
- Fabrication and installation of spillway gates, screen modifications
- In place machining on main shaft and laser alignment

Brooklyn Power (Thermal)

- Overhaul of 30 MW Dresser Turbine
- Align boring Turbine Housing (Upper/Lower)
- Modification to diaphragms & seals

Deer lake Power

- Servo cylinders re-sleeving and machining
- Closing cylinder re-sleeving & machine/piston machining
- Manufacture relief valve seats, various components

Edmundston Energy

- Complete Alignment and inspection
- Mechanical Overhaul
- Machining and Balance
- Turbine is a vertical Francis unit 1000 kw

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