



Repair & Balancing of Generator Rotor 8' diameter



Turning and facing large diameter ring for hydro plant

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47.1 . 47.2



ISO 9001 : 2000



▲ Complete Gearbox Rebuilding

Mechanical

CME has extensive capabilities and experience in repairing, overhauling and servicing a wide range of mechanical equipment. Our integrated services provide you with a single source for high quality repairs, alignment and balancing, resulting in minimal down time and maximum operating reliability.



Fluid Drives ▲

Equipment Repairs

- Diesel engine repairs, parts rebuilding to OEM standards, Lloyds, ABS, DNV inspection
- Millwright/mechanical services, Pumps, compressors, turbines, fluid drives and gear reducers
- Boiler, heat exchanger and process equipment repair

Machinery Alignment Checking

- CME has special equipment for checking and precision leveling of equipment at installation and laser alignment instrumentation to assess coupling/shaft alignment amount of 'out of plane' or 'out of straightness' to .0001 inch
- Our machine and fabrication shops can produce custom fitted bolts, keys, and adjustments.
- We supply pourable epoxy repair chocking for securing & mounting machinery.

*background image: Bow Thruster Overhaul
(also Propulsion Systems Repair & Overhaul)*



◀ Valve Inspection, Rebuilding & Testing

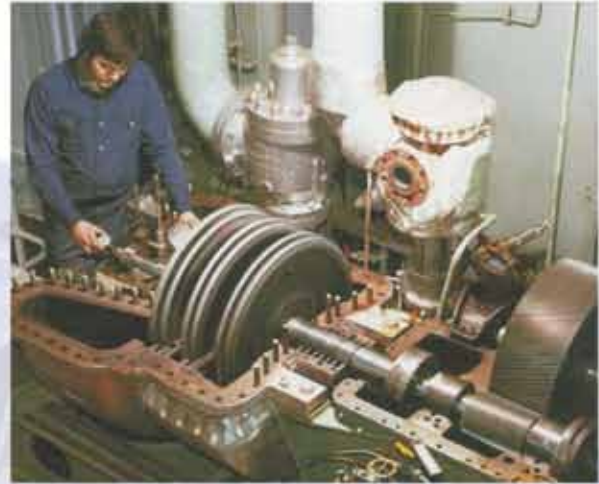


▲ Pump Rebuilding/Parts Manufacturing

Turbine & Turbo Repair Services

CME has experience in overhauling) turbine and reciprocating machinery. Providing on-site service, we offer full field inspection services for the dismantling and repair on many types of turbines used for industrial drives and shipboard applications.

As with our turbine repair service, we provide on-site service including full field inspection services for the dismantling and repair of all makes of turbo chargers.



▲ Steam Turbine Inspection

Precision Dynamic Balancing

CME has two balancing test stands and instrumentation by Schenck, a leader in dynamic balance measurements. The larger unit has 20 ton capacity 8 foot diameter swing and 14 feet centers on main base and 28 foot centers on extended base. Small unit has 12 foot lead x 32" swing and sensors appropriate to lighter faster spin shaft rotors and impellers.

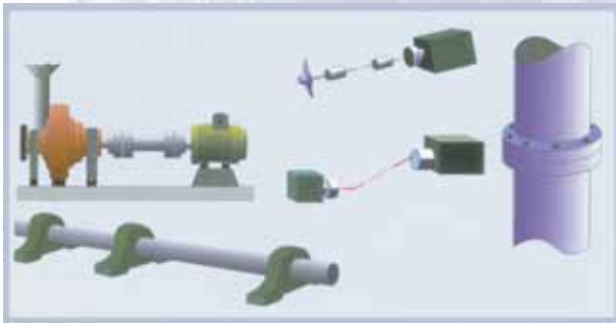


◀ Full Turbine Inspection/Overhaul

Laser Measuring and Precision Alignment

Our Laser measuring equipment and years of experience enable us to perform:

- Laser measuring/Precision shaft alignment
- Flatness/Straightness
- Surface mapping/Parallel alignment



Industrial Turbine Rebuilds

To keep your equipment working at peak performance, you occasionally need to access a wide range of services and parts. To meet your requirements, CME offers a wide range of specialized services and products that complement our core services.

Babbitt Bearings, New and Reconditioned (CBB)

CBB, our sister company, is Canada's largest Babbitt Bearing company. CBB is ISO 9001 2000 registered.

35 Megawatt Turbine

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