

**Weir Oil & Gas**

Excellent  
Oil & Gas  
Solutions



First choice for  
engineering solutions

# Introducing Weir Oil & Gas

**Weir Oil & Gas is North America's leading source of high performance engineered industrial, instrumentation and process control products, world class pumps and engineering and marine services. We offer value added products and services to the solution seeking market.**

## **Customer focused**

**Serving customers in virtually every primary and secondary industry, from an infrastructure that includes two major distribution centres in the east and west, local sales stocking and service facilities in twelve regional offices, and nine engineering service facilities in key markets, puts us ahead of the competition in meeting customer needs.**

## **Access to the best people**

**Our customers have access to experts in highly specialized technical fields who provide laboratory and on-site analysis, advanced research and design, and a sophisticated range of electronic component testing.**

## **Service portfolio**

**Weir Oil & Gas offers a flexible portfolio of high quality technically based solutions tailored to specific customer requirements and delivered by specialist engineers and project managers.**

## **Our services include:**

- Equipment repair and overhaul
- Re-engineered spare parts
- Process equipment
- Pumps and valves
- Marine engineering

# Weir Oil & Gas manufactures a wide range of spare parts for pumps, turbines and other rotating equipment

## Virtual warehousing for your parts

Weir Oil & Gas can provide high quality spare parts that will reduce costs of the life span of your rotating equipment without detriment to reliability or availability.

Reduce your inventory levels by allowing our skilled technicians to re-engineer and capture a digital image of your components. Digitizing the part using our state-of-the-art portable Coordinate Measuring Machine (CMM) will provide us with the scan lines, point data and geometry needed to create an exact duplicate.

- Reduce the cost of ownership.
- Reduce manufacturing lead times as a result of local supply.
- Parts for obsolete equipment are easily re-engineered

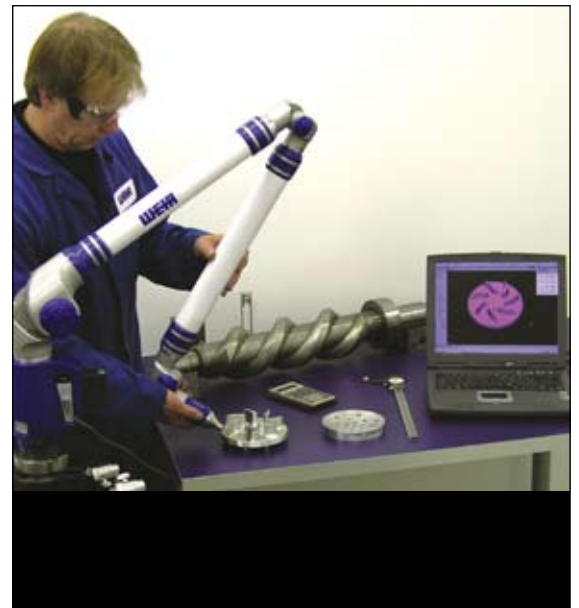


**Top:** CNC machining of a part from a CMM generated drawing

**Right:** Digital imaging of a spare part using the portable CMM



CNC precision manufactured spare parts



# Weir Oil & Gas specializes in re-engineering and extending the life-span of pumps, turbines and other critical rotating equipment

Weir Oil & Gas is the leader in the repair and refurbishing of large rotating equipment, both in-shop and on-site. Whether it's an emergency breakdown, a complete overhaul or a scheduled shutdown, Weir Oil & Gas experts are trained to repair and restore even the most worn out mechanical machinery to new, or often "better than new" condition.

## Equipment serviced

- Pumps / valves
- Turbines / compressors
- Centrifuges / crushers
- Blowers / fans
- Washers / rolls
- Gear Boxes / hoists



**Top right:** Final alignment checks on multistage pump

**Bottom right:** A six foot diameter, high pressure steam turbine rotor

**Below:** Our 125-ton capacity portable Lift-n-Lock gantry crane maneuvers a 36-ton hub for a Kaplan Hydro turbine





**Top:** Gear box overhaul

**Above:** Verification and machining of pump casing sealing faces and location fits

**Right:** Gas turbine overhaul



### **Performance and material upgrades**

Working with you, our design team can often propose upgrades to increase capacity or improve performance. This service can vary from a simple material change through to a fully redesigned hydraulic profile to produce a greater head or flow from the same casing arrangement.

We also provide a complete service for equipment upgrades from initial conceptual design through manufacture and assembly to site installation and commissioning and subsequent post contact support.

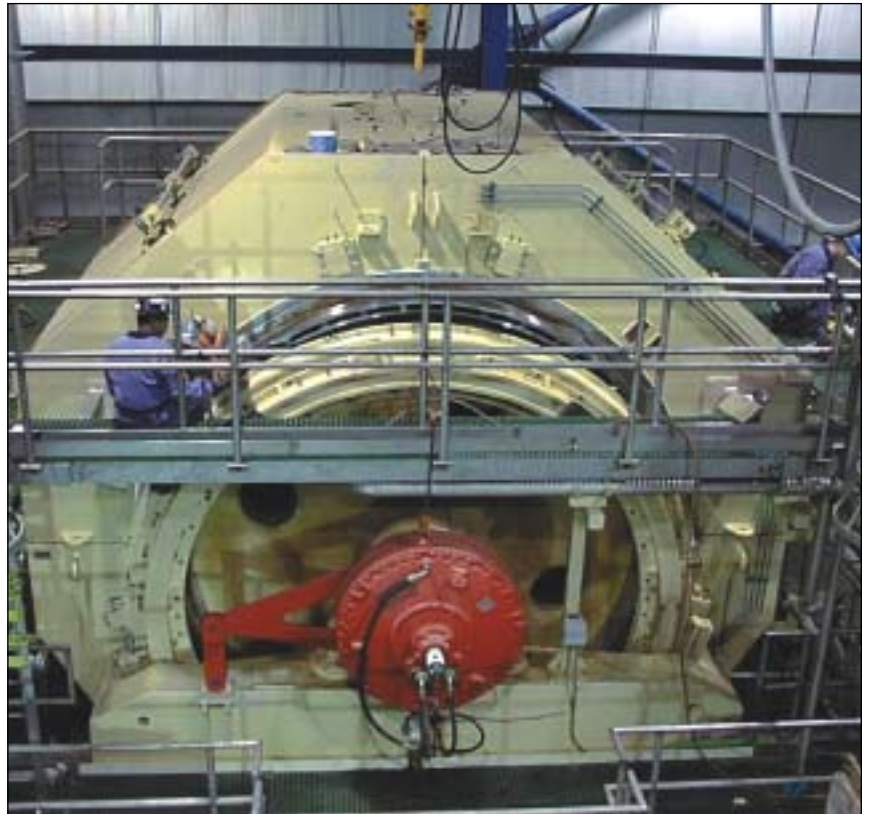


## Onsite machining and field mechanical repair

### No repair too tough, no distance too far

Twenty-four hours a day, 365 days a year — Weir Oil & Gas can put a skilled service crew on your site, literally within a few hours, anywhere anytime.

In emergency situations, you receive on-the-spot specialists qualified to hit the ground running to put you back in operation as quickly as possible. For large-scale planned shutdowns, our people work alongside your staff to “take ownership” of the project. Whether in the oil patch, deep in a mine or at a hydro-electric dam, our field crews routinely and expertly handle a wide variety of repair assignments. You can rely on our comprehensive range of portable machine tools, heavy-lift equipment, accurate torque tools, laser alignment and balancing equipment on whatever scale you need. Whether one person for a day or 100 people for a month, Weir Oil & Gas is ready to respond and perform.



**Top:** Wash drum seal resurfacing

**Left:** Repairing ski lift in Banff, Alberta

**Right:** Onsite service of a pump in difficult conditions



# Coatings, babbitting and valve repair



## **Prolong the life of your equipment**

Weir Oil & Gas metal and ceramic coatings have been proven to extend the service life of critical components far beyond their normal life expectancy.

Our comprehensive selection of commercial coatings can handle most situations. For special applications a Peacalloy® coating can be custom prepared to meet your unique requirements.

## **Babbitt bearings**

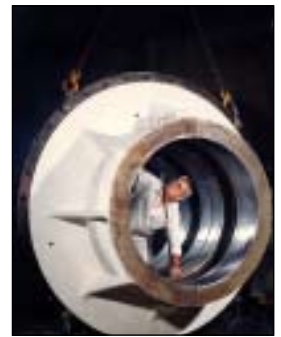
Weir Oil & Gas manufactures and rebuilds heavy-duty babbitt bearings used on rotating machines where downtime cannot be tolerated. We will manufacture bearings to your specifications or work to provide new ideas to improve your rotating equipment performance and lower your operational costs.

## **Valve repair**

Our repair capabilities include the repair of virtually all types and sizes of check, gate, ball and globe valves.

Our technicians can recondition and modify your valves including complete overhaul and calibration of valves, positioners and associated equipment as well as reconditioning valve bodies.

All locations are ISO 9001:2000 registered, with some locations certified to CSA Z299.2 to support valve



**Top:** Final dimension checks on a journal bearing

**Above:** Final inspection after refurbishment



**Top:** Coating a piston rod from a compressor

**Middle:** Traction coating of a roll

**Bottom:** Final inspection of a metal sealed ball valve

## Across Canada

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### **Edmonton**

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### **Fort McMurray**

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### **Fort St. John**

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### **Satellite sales offices**

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F (705) 812-7203

#### **Winnipeg, Manitoba**

T (204) 755-2864  
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**Weir Oil & Gas** markets, sells, distributes and services an extensive range of leading engineered industrial, instrumentation and process control equipment to virtually every primary and secondary industry across Canada.

Weir Oil & Gas holds exclusive, long term distribution agreements with some of the world's most prominent manufacturers and can offer, from a single source, comprehensive solutions to improve any process.

Two major distribution centres in the east and west, stocking facilities in 12 regional offices across Canada and a superior level of technical assistance, customer and after sales support enables responsive service to its combined customer base of over 20,000.