

Weir Oil & Gas Services - Edmonton



Capabilities Overview

Whether in oil & gas, refineries, power generation, mining or forest product industries, Weir Oil & Gas Services - Edmonton has the engineering expertise and industry know-how to increase your productivity and provide outstanding customer support.



Weir Oil & Gas Services is the market leader in offering comprehensive engineering services to various industry segments including Oil & Gas, Power, Water and Petrochemical. Equipped with a wide range of modern machine tools and staffed with experienced personnel, Weir Oil & Gas Services is capable of working on a wide variety of equipment, such as pumps, electric motors, turbines, compressors, oilfield equipment, valves and desalination plants. Weir Oil & Gas Services operates a global network of facilities with skills representative to the needs of the local market.



Weir Oil & Gas Services - Edmonton is dedicated to providing outstanding service to customers throughout Canada, with maintenance, repair and refurbishment of heavy industrial and rotating equipment both in-shop and on-site. Weir Oil & Gas Services - Edmonton is equipped with both the industry knowledge and qualified personnel to help customers boost their productivity through prompt equipment repair, facility upgrades, or on-site support designed to utilize our engineering expertise for each customer's specific application.



Whether its repair and upgrade to heavy duty oil sands equipment, or vibration analysis of precise machinery, there is no task too large or exact for Weir Oil & Gas Services - Edmonton. Through the use of the facility's 40-ton crane, large equipment is easily transported through the building for more rapid turnaround times. Precise measurement technology such as Faro(r) Laser Trackers are used to measure and design 3D illustrations of equipment and spare parts that can be logged into an internal database for future use. Weir Oil & Gas Services - Edmonton can provide customers with a wide range of value added services. Contact the office today to see how you can benefit from a relationship with Weir Oil & Gas Services - Edmonton.



Industries Served:

- Aggregate
- Agriculture
- Water and waste water
- Pulp and paper
- Mining
- Municipal
- Oil and gas
- Petro chemical
- Power generation

Equipment Serviced:

- Blowers and Fans
- Centrifuge - Decanter and Separator
- Compressors - Centrifugal and Reciprocating
- Crushers - Mining and Aggregate
- Electric Motors
- Engines and Components
- Fluidrive Couplings
- Gearbox, Speed Reducers and Drive Systems
- Kiln / Rotary Drum Repairs
- Pumps - Multi-stage, Vertical Turbine, Multi-phase, Positive Displacement
- Turbines - Steam, Gas and Hydraulic
- Valves - Steam, Gate, Ball, Sulphur
- Install and commission new equipment

Shop Description & Capabilities:

LOCATION	Edmonton, AB Canada 90,000 sq. ft facility
LIFTING	Overhead crane capacity up to 20 tons, Portable Gantry Crane 125 tons
TURNING	Up to 80 tons between centers, 108" swing, 60' long, c/w tracing capacities
MILLING	10' vertical by 20' horizontal, digital readout, 120" by 96" rotary table
BORING HORIZONTAL	10' vertical by 30' horizontal by 10' cross travel, digital readout, 120" by 96" rotary table
BORING VERTICAL	Max Diameter 240" by 120" high
CYL. GRINDING INTERNAL	15 tons capacity, 1" diameter and 6" depth min, up to 8' diameter and 4' depth maximum
CYL. GRINDING EXTERNAL	13.5 tons capacity between centers, 64" swing, 20' long
SURFACE GRINDING	24" by 60" by 18" high
HONING	4" I.D. to 36" diameter
COATINGS SPRAY	Surface Buildups and Hard Coatings
COATINGS EXTERNAL & INTERNAL	Plasma Metallizing Unit-110" diameter, depending on type of coating
BABBITTING	Spun cast, static pour or spray. Manufacture new bearings; journal and thrust pad
BALANCING	50 lb. - 16,000 lb. Capacity, 112" diameter swing, 255" max length between bearing supports
PRESS	Vertical 150 ton, Horizontal 600 ton
BROACHING	Indexable slotter, 24" diameter, 24" tall
WELDING / FABRICATION	Pressure Welding to ASME Sect. VIII, Div.1 General welding to comply with CSAW59

Field Services & Capabilities:

LIFTING	Mobile gantry crane, capacity 125 tons at 23'5" or 80 tons at 30' based on a total width of 34'
SERVICE VEHICLES	11,000 GVW Service trucks, 12 passenger van, flat deck truck
TURNING	Up to 40' diameter
MILLING	10' bed length, 48" cross travel per set up
BORING	From 1-1/2" to 5" bores, larger capacities on request
GRINDING / POLISHING	Upon request
HONING	Up to 36"
DRILLING / STUD REMOVAL	Up to 8" on a Silk threading / stud removal machine
BALANCING / VIB. ANALYSIS	Rotary & reciprocating equipment
PRESS	Portapower hydraulic tools
COATING	Vessel and shaft repairs, bores. Flame Spray, Mogul Electro Spray Wire System.
MANPOWER	1 man / 1 day, 70 men / Turnaround
TORQUING	HyTorc Equipment
PRECISION ALIGNMENT	Multiple component Train Alignment
PRECISION ELEVATION MEASUREMENT	NA3003 Leica Wild laser level
AUXILLIARY DRIVE UNIT	75 HP Motor with variable frequency control
VALVE LAPPING SERVICE	Valve repair and lapping

Services Offered:

- Alignment - Laser and Wireline
- Babbitting - Spray, Static and Spun Cast
- Balancing and Vibration Analysis
- Cast Iron - Welding, Stitching and Metallocking
- Coating Technology - Thermal, Plasma, Metallizing
- CNC Production Machining
- CNC Lathes up to 24" Swing and 120" Long CNC Vertical and Horizontal Mills with full Helical Milling Capability up to 10,000 Lbs
- Field Service - Millwrights, Machinists, Welders
- Grout Service
- Hydro Maintenance Service
- On-Site Machining - Boring, Milling, Flange Facing
- Parts - Engine, Compressor and Turbine
- Welding and Fabrication
- ISO 9001:2000 Certified
- ISO 14001:1996 Certified
- Certified in Valve repair and alteration (Certification #AQP-2806)
- Coordinated Measuring Machine - Digital Services
- Laser Tracker - Contact Measurement System (Laser Technology to Measure Industrial Machinery, 230' Diameter / Accurate to .001")

Authorized Service Dealer For:

Allen Gwynnes
Alstom - Steam Turbine & Generators
American Lewa - Metering Pumps
Ash
Begemann
Bornemann Pumps
Floway
Galigher
Geho
Hopkinson - Steam Valves
Mather & Platt - Horizontal Centrifugal Pumps
Metso Mineral - Rock Crushers
Neptune - Metering Pumps
Philadelphia Gear
Robbins & Myers - Moyno Progressive Cavity Pumps Agitators & Valves
Rotojet
Thermo Black Clawson - Pulp & Paper Equipment
Voith - Fluidrive Couplings
Warman
Weir Pump
Weir SPM
Wemco

Quality Certifications:

ISO 9001:2000 Certified
ISO 14001:1996 Certified

Weir also operates the following service support facilities in western Canada:

Calgary

2715, 18th Street N.E. P: 403-250-7000
Calgary F: 403-250-2032
AB T2E 7E6
Canada

Fort St. John

10508, 89th Avenue P: 250-785-6627
Fort St. John F: 250-785-4501
BC V1J 5P9
Canada

Weir Oil & Gas Services - Edmonton

4737 97th Street Tel: (780) 438 1122
Edmonton Fax (780) 437 5218
AB T6E 5W2
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