

BRADKEN

MACHINING & FABRICATION



Our machining facility houses a wide range of manual and CNC equipment



Precision machining



Duplex 2205 bleach screw repair

Edmonton, AB Canada

The primary goal of our Edmonton, AB Canada facility has been to partner with our customers to provide innovative solutions for their machining and fabrication requirements. Since 1979, we have provided the various industries with these solutions, while maintaining an “on-time, on-budget philosophy”.

Our full service manufacturing facilities provide: Custom and production machining, custom machinery design/manufacturing, design services, large-scale fabrication, weld repairs, piping fabrication, hard surfacing and a comprehensive replacement parts program.

With the support of Bradken's mechanical repair and field services division, we offer turnkey solutions to the Oil Sands, Mining, Pulp & Paper, Oil and Gas related industries.

Capabilities:

- Production machining
- Custom machining and fabrication
- ASME B31.11 expansion barrel manufacturing and ASME B31.3 piping fabrication
- Drafting and engineering of products
- Type D, Forged Ring Collars
- Repairs and replacement parts manufacturing
- Manufacturing of parts and machinery “under license”

Key Differentiators

- Our replacement parts program conducts on-site feasibility studies with customer personnel. We test and evaluate the current materials and recommend options for increasing the life of the replacement parts.
- Machinists, operators and programmers produce precise, quality products on every project; whether it is a “one-off” piece or full production machining.
- A high priority is placed in the growth of our skilled trades people and in the technology and processes they use. Combined with our quality management system, we ensure that all products are manufactured to meet and exceed customer and industry standards.

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Fully staffed with skilled trades people



CWB and ASME registered tradespeople and procedures



Conventional drilling rig equipment manufacturing

Machining & Fabrication

Machinery Capabilities:

Turning – Vertical CNC

Minimum OD	25"
Maximum OD	90.5"
Maximum Height	59"
Maximum Part Weight	33000 lbs.

Turning – Horizontal CNC

Maximum OD	30"
Maximum Length	125"
Manual	
Maximum OD	48'
Maximum Length	33'

Milling – Vertical CNC

Maximum Length	80"
Maximum Width	55"
Maximum Height	32"
Maximum Part Weight	8200 lbs.
Manual	
Maximum Length	65"
Maximum Width	22"
Maximum Height	40"
Maximum Part Weight	3000 lbs.

Milling – Horizontal Manual

Maximum Length	63"
Maximum Width	49"
Maximum Height	44"
Maximum Part Weight	6000 lbs.

Grinding – Surface

Maximum Length	48"
Maximum Width	16"

Automated Saws

Maximum OD	18"
Maximum Length	44'

Dynamic Balancing

Maximum OD	84"
Maximum Length	216"
Maximum Weight	12500 lbs.

Fabrication Processes:

FCAW
SMAW
SAW
GMAW
Hard Surfacing
Flame Hardening
Plasma & Shape Cutting

Fabrication Standards & Certifications:

CWB (Canadian Welding Bureau)
CSA W47.1 Division 2
ISO 9001:2008
ASME Section VIII, B31 .1, B31 .3
and B31 .11

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