

BRADKEN

MANUFACTURING FACILITIES



Machining and casting facilities located in London, Ontario Canada
(Single Source Solutions)



Extensive variety of machine tools: Large jobbing and production machining



Engineering and programming for complex machining and precision

Bradken – London (Machining)

In business for over 34 years, Bradken - London, Ltd. machining division has the machine tools, support equipment, people, and skills necessary to finish and assemble machined products. With a history of serving the Rail and Industrial markets, continuous investment in machine tools are now providing growth in the areas of Energy, Mining and Construction. We have more than 70 machine tools and more than half of them have CNC capabilities for custom and production machining. Capabilities include handling and machining of products from 50 lbs up to 40 tons. The London machining facility has assembly experience and machine rebuilding capabilities. Located within minutes of our Bradken casting facility, the two facilities add value and provide complete solutions for our customers' wide ranging needs.

Manufacturing Capabilities (Overview)

- Each Bradken business unit makes use of continuous improvement programs and maintains specialists at the business unit and corporate levels to drive improvements and efficiencies
- ISO 9001 registered
- CNC and manual machine tools for a variety of applications and run sizes
- Coordinate Measuring Machine (CMM)
- Over 70,000 sq. ft. floor space, under crane working height 25 feet and 20 ton crane capacity
- Turnkey casting, machining and value added supply solutions

Key Differentiators:

- Finish machining
- Large jobbing & semi-production machining
- Single source solutions: Patterns, castings, machining & testing

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Energy and Industrial gearbox machining



Oil Field pipeline valve: Cast by Bradken and finish machined by Bradken



Hydro turbine Wicket Gate: Pattern, casting, machining and CMM layout.

Facility Information

In Business Since 1974

Capabilities

Machine Shop
Fabrication
Other Assembly

Turning – Vertical

CNC
Minimum OD 1"
Maximum OD 213"
Maximum Length 103"

Manual

Minimum OD 0.25"
Maximum OD 98"
Maximum Length 54"

Turning – Horizontal

CNC
Minimum OD 1"
Maximum OD 32"
Maximum Length 168"
Manual
Minimum OD 0.25"
Maximum OD 28"
Maximum Length 216"

Milling – Vertical

CNC
Maximum Length 48"
Maximum Width 24"
Maximum Height 24"
Maximum Part Weight 4,400 lbs.

Manual

Maximum Length 36"
Maximum Width 8"
Maximum Height 16"
Maximum Part Weight 1,000 lbs.

Milling – Horizontal

CNC
Maximum Length 384"
Maximum Width 39"

Maximum Height 117"
Maximum Part Weight 66,000 lbs.
Manual
Maximum Length 228"
Maximum Width 30"
Maximum Height 100"
Maximum Part Weight 20,000 lbs.

Grinding – OD

Minimum Length 0.25"
Maximum Length 48"
Maximum OD 16"
Maximum Weight 1,000 lbs

Grinding – ID

Minimum Length 0.375"
Maximum Length 16"
Maximum ID 10"
Maximum Weight 300 lbs.

Grinding – Surface

Maximum Length 53"
Maximum Width 22"

Drilling / Honing

Maximum Depth 30"
Tolerance -0.062
Willing to accept responsibility for materials & provide turn-key parts

Welding capabilities

Mig Stick Tig

Welders certified

CWB (Canadian Welding Bureau)

Quality Assurance Program:

ISO 9001

ASME

ASTM

Maximum Lifting Capacity 40 Tons

For more information contact Bradken at EngProd@bradken.com

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