

Production Specs & Capabilities

Manufacturing	<ul style="list-style-type: none"> - 20,000 square ft. production floor + storage. - 11 x CNC Machines and 2 x Conventional Lathes
Crane Specs & Lift Capacity	<ul style="list-style-type: none"> - 12 Overhead Jib Cranes (1 Ton Capacity each). - 2 Overhead Cranes (10 Ton Capacity each). - 32 ft. hook height and 40,000 lb. lift capacity. - 14 ft. tall bay door access to shop. - 2 x Forklifts (8,000 lb combined lift capacity)
Welding	<ul style="list-style-type: none"> - CWB certified welding to CSA W47.1. (Equal to AWS D1.1). - FCAW (Flux-Cored Arc Welding). - SMAW (Shielded Metal Arc Welding). - Mig, Tig & Stick welding capabilities. - 2 Welding positioners up to 10,000 lb. capacity. - Miscellaneous tank rolls.
Quality Assurance	<ul style="list-style-type: none"> - Quality levels include ABS, DNV, API and Lloyds. - All materials are documented for traceability. - First article, mid-process and complete final inspections are carried out on all manufactured components prior to final shipping. <p>*Full inspection / quality documentation available as required.</p>
Software	<ul style="list-style-type: none"> - Shoptech E2 ERP. - GibbsCAM. - Support for most common CAD file formats including IGES, STEP, DXF & Parasolid.
Additional Services	<ul style="list-style-type: none"> - Heat Treating / Stress Relieving. - Sandblasting / Painting. - Tensile, Visual, Magnetic Particle & UT testing. - Full reporting and technician certs available. <p>*Services provided by authorized outside vendors.</p>

INNOVATION // EXPERIENCE // QUALITY

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Unit 110 – 19433 – 96th Avenue, Surrey, British Columbia V4N 4C4 Canada

Machining Capacity

Key Machining Specs

- 3 Axis Vertical Milling / 4 Axis Horizontal Milling.
- **Vertical Turning:** Up to 98" Diameter x 79" Height / 40,000 lbs.
- **Vertical Milling:** Up to 84" (X) x 40" (Y) x 30" (Z) / 4,000 lbs.
- **Horizontal Milling:** Up to 118" (X) x 78.7" (Y) x 63" (Z) x 27.6" (W) / 33,000 lbs.
- **CNC Lathe Capacity:** Up to 20" Diameter x 60" Long.
- **Manual Lathe Capacity:** Up to 38" Diameter x 144" Long.

Turning

CNC Okuma LB3511-BB CNC Turning Center

Part Capacity: 20" Diameter x 60" Long / 508 mm Diameter x 1,524 mm Long

CNC O-M NEO-10 CNC Turning Center

Part Capacity: 56" Diameter x 30" High / 1422 mm Diameter x 762 mm High

Max Load: 4,410 lbs (2,000 Kgs.)

CNC O-M NEO-16 CNC Turning Center

Part Capacity: 79" Diameter x 79" High / (2,007 mm Diameter x 2,007 mm High)

Max Load: 17,637 lbs (8,000 Kgs)

CNC O-M NEOA-20EX CNC Turning Center

Part Capacity: 98" Diameter x 79" High / 2,490 mm Diameter x 2,007 mm High

Max Load: 33,000 lbs (15,000 Kgs.)

*Live Milling Quill.

TOS Lathe

Part Capacity: 38" Diameter x 144" Long / 965 mm Diameter x 3,658 mm Long

Mazak Lathe

Part Capacity: 16" Diameter x 120" Long / 406 mm Diameter x 3,048 mm Long

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Machining Capacity

Milling

HAAS VF-8 CNC Vertical Mill

Part Capacity: X = 64" (1,626 mm) , Y = 40" (1,016 mm) , Z = 30" (762 mm)

Max Load: 4,000 lbs (1,815 Kgs)

HAAS VF-9 CNC Vertical Mill

Part Capacity: X = 84" (1,815 mm) , Y = 40" (1,016 mm) , Z = 30" (762 mm)

Max Load: 4,000 lbs (1,815 Kgs)

HAAS EC-1600 CNC Horizontal (x 2)

Part Capacity: X = 64" (1,626 mm) , Y = 40" (1,016 mm) , Z = 32" (813 mm) with full 4th axis table.

Max Load: 10,000 lbs (4,536 Kgs.)

Toshiba BTD200QE CNC Horizontal

Part Capacity: X = 39.4" (1,000 mm) , Y = 31.5" (800 mm) , W = 15.7" (399 mm) with full 4th axis table.

Max Load: 5,500 lbs (2,495 Kgs.)

Doosan DBC-110 Horizontal

Part Capacity: X = 98.4" (2,500 mm) , Y = 78.7" (1,999 mm) , Z = 59" (1,499 mm) , W = 21.6" (549 mm) with full 4th axis table.

Max Load: 22,000 lbs (9,980 Kgs.)

Doosan DB130CX Horizontal

Part Capacity: X = 118" (2,998 mm) , Y = 78.7" (1,999 mm) , Z = 63" (1,600 mm) , W = 27.6" (701 mm) with full 4th axis table.

Max Load: 33,000 lbs (14,969 Kgs.)

Shibaura Conventional Horizontal

Part Capacity: X = 39.4" (1,000 mm) , Y = 31.5" (800 mm) , W = 15.7" (399 mm)

Max Load: 5,500 lbs (2,495 Kgs.)

Additional Equipment

Miscellaneous Drill Presses & CNC Saw

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