

## INNOVATION // EXPERIENCE // QUALITY

**Ellery Manufacturing Ltd.** is an industry leading provider of custom CNC & conventional machining, fabrication and industrial project management services.

Our company operates a 20,000 square ft. production facility and head office located in Surrey, British Columbia, Canada. Our customers operate in industries that include Oil & Gas, Renewable Energy, Mining, Forestry, Commercial Marine, Construction, Pharmaceuticals, Government and Major Amusement Attraction Design.

Industrial customers and engineering firms recognize Ellery Manufacturing as a preferred service provider. The company's solid reputation and position as an industry leader is based on ...

Powerful production capabilities with the flexibility to produce large custom parts or smaller critical components.

The ability to work with a variety of materials while meeting demanding tolerance, finish and quality requirements.

Up to date, secure & effective systems for the management of customer projects, documentation & quality assurance.

A commitment to exceeding industrial workplace safety standards.

Consistent, high quality workmanship.

Fast responses to customer requests & reliable delivery times.

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P: 1+(604)882-9122

[www.ElleryMFG.com](http://www.ElleryMFG.com)

[sales@ElleryMFG.com](mailto:sales@ElleryMFG.com)

Unit 110 – 19433 – 96<sup>th</sup> Avenue, Surrey, British Columbia V4N 4C4 Canada

## Production Specs & Capabilities

<b>Manufacturing</b>	<ul style="list-style-type: none"> <li>- 20,000 square ft. production floor + storage.</li> <li>- 11 x CNC Machines.</li> </ul>
<b>Crane Specs &amp; Lift Capacity</b>	<ul style="list-style-type: none"> <li>- 12 Overhead Jib Cranes (1 Ton Capacity each).</li> <li>- 2 Overhead Cranes (10 Ton Capacity each).</li> <li>- 32 ft. hook height and 40,000 lb. lift capacity.</li> <li>- 14 ft. tall bay door access to shop.</li> <li>- 2 x Forklifts (8,000 lb lift capacity).</li> </ul>
<b>Welding</b>	<ul style="list-style-type: none"> <li>- CWB certified welding to CSA W47.1. (AWS D1.1).</li> <li>- FCAW (Flux-Cored Arc Welding).</li> <li>- SMAW (Shielded Metal Arc Welding).</li> <li>- Mig, Tig &amp; Stick welding capabilities.</li> <li>- 2 Welding positioners up to 10,000 lb. capacity.</li> <li>- Miscellaneous tank rolls.</li> </ul>
<b>Quality Assurance</b>	<ul style="list-style-type: none"> <li>- Quality levels include ABS, DNV, API and Lloyds.</li> <li>- All projects include full inspection, documentation and 100% traceability for materials and parts.</li> </ul>
<b>Software</b>	<ul style="list-style-type: none"> <li>- JobBoss2 ERP.</li> <li>- GibbsCAM.</li> <li>- Support for most common CAD file formats including IGES, STEP, DXF &amp; Parasolid.</li> </ul>
<b>Additional Services</b>	<ul style="list-style-type: none"> <li>- Heat Treating / Stress Relieving.</li> <li>- Sandblasting / Painting.</li> <li>- Tensile, Visual, Magnetic Particle &amp; UT testing.</li> <li>- Full reporting and technician certs available.</li> </ul> <p>*Services provided by authorized outside vendors.</p>

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## 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.

### 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.

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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 4<sup>th</sup> 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.)

### Additional Equipment

Miscellaneous Drill Presses & CNC Saw

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## Contact Information

Ellery Manufacturing's head office and manufacturing facilities are conveniently located just a 45 minute drive from the Vancouver International Airport, 30 minutes from the Abbotsford Airport and just 20 minutes by car from the U.S. border. Our facility has direct access to major highways and infrastructure.

### Head Office & Manufacturing Facility

110 – 19433 – 96<sup>th</sup> Avenue, Surrey, British Columbia, Canada V4N 4C4

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