



Efficient precision

www.FlamboroughTool.ca

1.888.999.0071

Our Profile

Company

Founded in 1987

Flamborough Tool & Mould Ltd. is an independently operated, full-service tool and mould manufacturer and precision machine shop owned by ACT.

Specialties

Efficient manufacture of small and intricate die cast inserts

Full Capabilities

Our full capabilities include:

- Mould & Die Engineering
- Investment Castings
- Design and CAD/CAM facilities
- Prototype tooling
- Mould manufacture
- Sink EDM Electrode
- Tool modification, maintenance and repair
- On and off site emergency tool repair
- Trim tooling
- Jigs, fixtures & gauges
- Robot Gripping Systems
- Special purpose machinery
- High-tech steel work and welding
- Die cast repair & refurbishment
- Heat treatment
- Surface finishing
- Spare parts inventory
- Material sourcing

Certification

ISO 9001:2000

Phone 1.905.689.3280 • *Fax* 1.905.689.9899

Deliveries: 3-383 6th Concession East, Millgrove, ON L0R 1V0 CANADA.

Mail: P.O.Box 74, Millgrove, ON L0R 1V0, CANADA.

Sector Capabilities: Automotive, General Industrial, Manufacturing, Aerospace, Military, Agricultural, Transportation

Material Capabilities:

- Moulds in aluminum, zinc and plastic
- High tech steels including Dievar and Anviloy

Service Commitment: We focus on delivering:

- State-of-the art technical manufacturing capabilities and craftsman knowledge
- Responsive and flexible customer service, project management and product support
- Reliable delivery
- Exceptional quality and imaginative solutions
- Competitive pricing

Service Area: Canadian & US Great Lakes Region

Points of difference

- Micro-precision
- Efficiency
- Economy
- Ingenuity

More info **Contact Jamie Crichton, General Manager**
Or visit our website

[Our technical specs are appended](#)

**Technical
capabilities:**

CNC Mills

Makino SNC64 CNC High Speed Machining Centers (2 Units)

- Maximum Spindle RPM – 20,000
- Machine travel – 23.5" x 16.0" x 18"
- Vacuum system for graphite electrode work

Kafo CNC Machining Center

- Maximum Spindle RPM – 8,000
- Machine travel – 40" x 21" x 22"

TOS FNG 40 CNC Machining Center

- Maximum Spindle RPM – 2,500
- Machine travel – 19" x 15.7" x 15.7"
- CNC Rotary Table – 22 diameter
- Vertical and horizontal head capabilities

EDMs

Charmilles F440 EDM Wire machine

- Maximum part weight – 3,300 lbs
- Machine travel – 21.6" x 13.7" x 15.7"
- Maximum Taper – 30 Degrees

Charmilles 35P EDM Sinker

- Maximum part weight – 1,100 lbs
- Machine travel – 13.7" x 8.8" x 11.8"

3 Maxi-mart manual EDM Sinkers

CNC Lathes

Super Max Slant Bed 10 HP

- Bar Capacity – 2" diameter
- 12 station turret
- Maximum turning – 12" diameter x 18" long

CNC Lathes con't

- Standard Modern Flat Bed
- Maximum turning – 15" diameter x 36" long

Lifting Systems

- 5 Ton over head crane system
- 2 Ton Hoist

Manual Equipment

- Ram and Turret Mills – 4 in total

Grinding Equipment

Surface Grinder

- Table surface 10" x 20"
- Distance spindle to table 18"

Cylindrical Grinder

- Maximum swing 10"
- Maximum distance between centers 24"

Welding Equipment

- Miller Max star 200
- Hobart Cyber-Tig 120 Series

Quality Assurance Processes & Tools

- Statistical Process Control (SPC)
- Statistical Quality Control (SQC)
- Advanced Quality Planning (AQP)
- Process Failure Model Effects Analysis (PFMEA)
- Risk Analysis
- Individual parts inspection reports
- Computer networked checklists

Contact:

engineering@flamboroughtool.ca