Technical Data Sheet

Materials Produced
Grey Iron
- ASTM A48 Class 20 to 50
- ASTM A159 Grade 2500 to 4000
Ductile Iron
- ASTM A536 Grade 65-45-12, 80-55-06, 100-70-03, others
Automotive Materials
- GM238, GM241, GM246, GM338, others

Facilities and Equipment
- 10 ton/hour Modern Cupola Melting Furnace
- Casting Size from 20 to 20,000 Pounds
- Three Moulding Floors - Small, Medium, Large Production Lines
- Didion and 1000 pound/hour Thermal Sand Reclaimer
- Four Unit Dust Collection System
- Onsite Foam (Polystyrene) Pattern Shop
- Onsite and Offsite Pattern Storage Facilities
- Two Delivery Trucks
- Finishing and Shipping with Paint Capabilities
- Six Lift Trucks with up to 15,000 Pound Capacity
- Four Overhead Cranes Ranging from 2 to 15 Tonnes Capacity
Our Services

McLean Foundry will satisfy your iron casting needs. Our melting operation consists of a 30 ton/3-hour cupola and three individual pouring lines for small, medium, and large castings. We use a no-bake core and moulding system.

Pattermaking is done through either the use of standard wood patterns or single-use polystyrene "foam" patterns as a cost-effective and fast, alternate when a pattern does not exist. Other services include heat treating, machining, mechanical testing and non-destructive testing.

We produce Custom Grey and Ductile iron castings in all classes and grades. Sizes range from 20 to 20,000 lbs. Quality is always our first priority. Due to our in-house pattern capabilities, breakdown and replacement castings can be available in one week regardless of pattern availability.

We serve companies across North America, producing castings for auto stamping dies, gears, machine tool industry or anything that suits our capacity. We offer a hassle free and affordable shipping experience. Our expedited lead times can be as low as one week and we handle all customs paperwork.

(519) 753-3468

About Us

We started in 1902 as Hartley Foundry and had an important role in supplying castings to Canada's war production during the two World Wars. In 1946, with some expansion and retooling, we began to focus on the manufacturing of aircraft, stamping industries and jobbing services for low volume specialized castings. Under new ownership in the 1970's, the foundry became known as McLean Foundry Limited.

Today, our 31 team members possess over 500 years of combined service. That's an average of 16 years per person. We're a proud founding member of the Canadian Foundry Association and a member of the American Foundry Society as well.

Samples

Connecting Rod - Ductile Iron Grade 80-55-06

Connecting Rod - Wood Pattern

Automotive Stamping Die GM218
Pattern (Top) Finished Casting (Bottom)

Primary Arm for Pulp and Paper Industry
Ductile Iron Grade 65-45-12

No Pattern? No Problem. We're capable of reproducing castings from broken parts, samples, and worn machinery. Drawings aren't necessary provided that basic information is known.

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