CASTINGS

CUSTOM CASTINGS

Castings to your drawing or sample, from small components to 8,000 kg single pieces, in manganese, high-chromium white iron and alloy steels.

FROM SAMPLE TO PART

Bring us a drawing, a 3D model or just a worn part. We scan it with our Creaform scanner, model it in SolidWorks, specify the alloy and heat treatment, and manage production through our qualified foundry network using sand or lost-foam processes.

Castings are verified in Calgary by PMI, spectrographic analysis, hardness testing and dimensional inspection, and finish-machined in our shop when required.

KEY FEATURES

- 3D scanning and reverse engineering
- First-article inspection
- CNC finish machining in Calgary

SPECIFICATIONS

SIZE RANGE	Single pieces to 8,000 kg
ALLOYS	Manganese, HCWI and alloy steels
PROCESSES	Sand and lost-foam casting
REVERSE ENGINEERING	Creaform 3D scanning and SolidWorks modelling
INSPECTION	PMI, spectro, hardness, dimensional/CMM

01
ENGINEER
Application review, wear analysis, alloy and heat-treatment specification.

02
PRODUCE
Made to our specifications by qualified partners or in our Calgary shop.

03
VERIFY
PMI, spectrographic, hardness and dimensional checks in Calgary.

04
SUPPORT
Machining, fabrication, wear-life monitoring and changeout planning.

VERIFIED IN CALGARY

PMI · Spectrographic analysis · Hardness testing · UT / MT / PT · Dimensional / CMM · Full traceability

CERTIFICATIONS

ISO 9001 · CSA W47.1 · COR · APEGA Permit

REQUEST A QUOTE

Send a drawing, part number or worn sample, and we will quote price and lead time.

(403) 255-0125 · Fax (403) 252-8994
info@foothillssteel.ca
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Typical data. Specifications are confirmed at quotation for each application.