



PENINSULA ALLOY INC

STEVENSVILLE ONTARIO CANADA



YOUR FULL SERVICE FOUNDRY

FERROUS METAL CASTINGS IN:

Stainless Steels, Corrosion, Wear, Pressure & Heat Resistant Steels, Alloy & Duplex Alloy Steels, Chrome Alloy & Mickle Steels, Carbon Steels and Ductile & Chrome Iron

Casting Capacity from 25 lbs to over 500,000 lbs





PENINSULA ALLOY INC.



OUR FACILITY

Our head office and Canadian production facility is located in Stevensville, Ontario and 10 kilometres (6 miles) from the US border at Buffalo, NY. This provides for an excellent logistics point to ship throughout the United States & Canada. Peninsula Alloy also has two joint venture production facilities in China.

PATTERN STORAGE

Rigging, routine pattern maintenance and storage are available. Assistance with design complemented with solidification simulation to produce optimum part and gating configurations result in quality products. We partner with the most experienced pattern makers in the industry that are in close proximity to our facilities.



MOLDING OPERATIONS

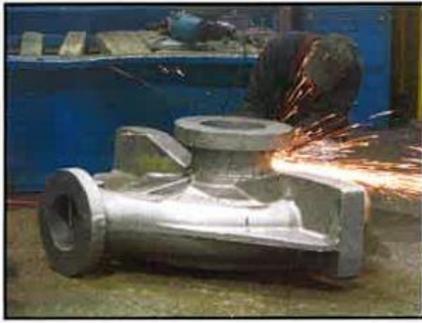
Mold production is conducted using a chemically bonded, no bake process. Wood, resin or metal cope and drag patterns are used with washed silica, chromite and zircon sands. Our state of the art mold sand thermal re-claiming equipment further enhances our commitment to provide optimal results with the lowest possible cost.



MELTING AND POURING

Melting facilities consist of high frequency coreless induction furnace tilters with a 20,000 lb. Total melt capacity. Melting is supported by a state of the art computerized mass spectrometer. We pour stainless, nickel based, carbon, heat and wear resistant alloys, steel, and ductile and chrome irons.





FINISHING

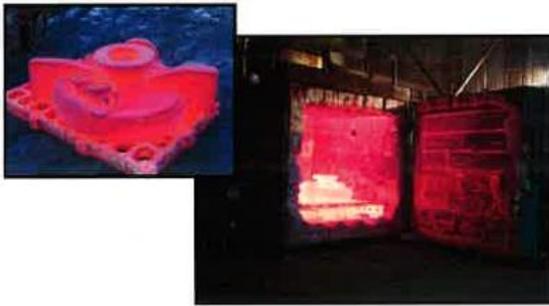
Gating and riser removal is performed with swing frame abrasive cut-off and air carbon arc processes. Meticulous attention to grinding is enhanced by tumblast or tableblast shot processes.



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HEAT TREATING & QUENCHING

Our state of the art computerized heat treating system provides precise temperature control ensuring metallurgical transformations are optimized at each stage of the process for each grade of material. Multiple thermocouples continually monitor and chart temperatures of the parts and furnace interior for maximum reliability.



DUST COLLECTION & THERMAL SAND RECLAIM

Our environmentally friendly dust collection system ensures that air quality standards are maintained in the foundry. A fully equipped sand laboratory and computerized thermal sand reclaim system is in place to maximize reclamation while allow production of quality sand molds.

MACHINING & VALUE ADDED

Peninsula Alloy has local partnerships with the highest quality machine shops in North America to provide a final dimension, machined part to our customers.



PROPRIETARY PRODUCTS

Peninsula Alloy produces a patented system of ground engagement, long-life, *PenRim* bucket lips for mining LHD (load/haul/dump) machines. We are also perfecting our cast-in tungsten carbide process for major wear life improvement in various applications.



QUALITY CONTROL

Peninsula Alloy is dedicated to manufacturing castings that meet and exceed customer requirements, on time and every time. Our ISO 9001:2008 was upgraded in May 2017 to ISO 9001:2015. This compliments our commitment to continually improve our already short lead times and flexible manufacturing systems. We provide in-house mill test reports of chemical, tensile, hardness, LPI, MPI and ultrasonic results. Radiography, Charpy and other non-destructive reports are also available.





PENINSULA ALLOY INC.

100% Canadian owned company with production facilities in Niagara, Canada and China.

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INDUSTRIES SERVED

Pump & Valve, Mining, Power Generation, Marine & Shipbuilding, Construction & Material Handling Equipment, Elevator, Rail, Construction & Infrastructure, and the Steel Industry

