

Norcast Wear Solutions - established as a premier global wear resistant castings supplier

With a history of more than 100 years the company is recognized as an industry leader and total solutions supplier of specialised cast wear parts for the mining, aggregate and other natural resource industries

Norcast Wear Solutions is an engineering product based company with an established legacy of providing great value with a long term customer partnership strategy. Its cast consumables are known for superior quality, reliability and consistency, which result in a lower total product cost of ownership to the end user. Customer testimonials and an enviable customer retention rate confirm Norcast Wear Solutions as the preferred specialised wear resistant casting supplier in the world.

Norcast Wear Solutions recognizes the importance of customer relationships and aftermarket product support and therefore has the largest global distribution network in the industry, with a 100% global coverage. With strategic office locations in Quebec and Toronto, Canada; Santiago, Iquique and Antofagasta, Chile; Lima, Peru; Brazil; Malaysia; Singapore and sales agents in Mexico, Bolivia, Venezuela, South Africa, West Africa, USA, Ireland, Sweden, Spain, Moscow, Turkey, Norway, Finland and Poland. A network of qualified personnel are available for on-site technical support and regular review meetings to discuss the performance of customer liners and the changes that are required to maximise liner performance.



PG crusher liners

Norcast Wear solutions is known as one of the world's largest cast wear component producers for mill, crusher and other wear components such as apron feeder pans, track shoes and ground engagement tools.

All liners are custom designed for every application. All custom high performance liner designs are done with state of the art parametric 3D Solid Modelling software.



Mill liners

Complete mill modelling is done for every design to ensure the accurate fitment and elimination of interference fitment issues.

Designs are analysed by casting solidification simulation software prior to manufacture. The software predicts the integrity of the castings upon cooling and benefits the casting integrity and process optimisation. It also reduces the product lead time and ensures repeatable casting consistency. Gating analysis is also done to insure the integrity of the entire pour and target geometry is also analysed to ensure integrity and the strength of the casting.

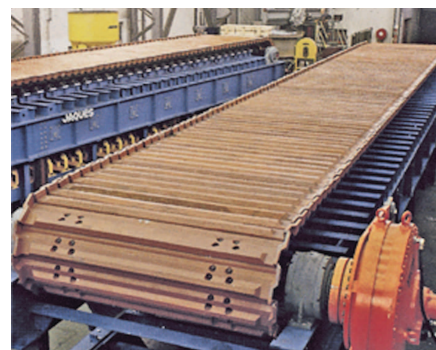
The manufacturing facilities have a combined plant capacity of 50,000 t/y with the flexibility to increase capacity in a short space of time. All patterns are produced with state of the art CNC machine tools. Moulds are prepared for a computer controlled continuous no-bake moulding line.

The organisation is focused on the continuous improvement of its systems and manufacturing procedures at both the Canadian and Malaysian manufacturing facilities. With a historic wealth of metallurgical expertise available, alloys can be selected based on cost and lifespan characteristics. The price and performance is matched to individual operational objectives and can be extended through alloy selection. Its state of the art facilities are capable of producing chrome-moly steel, high chrome white irons, nickel alloys and manganese steels.

Quality is an integral part of the operations and regarded as a corner stone of the manufacturing process. The quality

management process begins with an accredited ISO 9001:2008 qualification. A computerised manufacturing control system tracks every step so that traceability data can serve as a product's pedigree throughout its usable life. Liner life cycle guarantees are also provided as standard.

Norcast Wear Solutions' technical support services and laser-based wear tracking allows customers to optimise their operations and reduce unnecessary downtime through fast and accurate data collection throughout the entire mill. In-field wear monitoring and stress points are tracked. Liner post-mortems result in the continuous improvements of the product. The offered service and value added support also contributes to the customer's total system productivity.



Apron feeder pans

Norcast Wear Solutions also offers a suite of risk management services designed to help normalise the effect of fluctuating markets on liner costs and bringing predictability to the future of your milling operation.

Norcast Wear Solutions long term track-record of global success sustained by its superb reputation for quality and extensive application knowledge offers the customer an engineering partner to meet the demanding requirements for today's competitive environment.

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