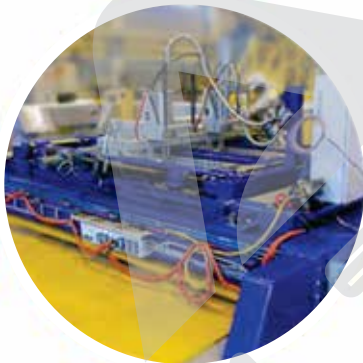


I-60 SIR

Hycast™ I-60 SIR has changed the rules in the aluminium refining process with its excellent characteristics.

Features

- Excellent removal of hydrogen and inclusions. (especially important in areas with high humidity)
- Unique and patented metal cleaning system.
- Mechanical filtration system normally not required downstream Hycast™ I-60 SIR when applied in extrusion ingot lines.
- Very low dross generation due to the inert atmosphere.
- Improvement in the grain refining performance by homogenous dispersion of master alloy added before the reactor.
- Excellent reactor design in which no molten metal remains in it at the end of the casting process.
- Low operational cost, low argon consumption, long service life for rotors.
- Human and environment-friendly system which does not use chlorine.
- Simple and quick installation.
- Compact design ideal for small areas.



AFM Casting System

Basing on the moulding system adjustable to different sizes, Hycast™ AFM is a casting system which puts an end to the conventional technique of using separate mould for each size in the aluminium sheet cast.

Features

- Range of sheet dimension:
Thickness: 330-700 mm, Width: 1100-2500 mm.
- Adjustable range: 300 mm.
- Adjustable range of starting heads: 300 mm.
- Unique and patented flexible mould technology to ensure optimal ingot geometry from start to end.
- High efficiency.
- Excellent surface quality.
- Superior safety system.

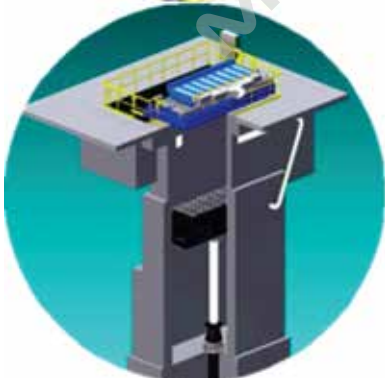
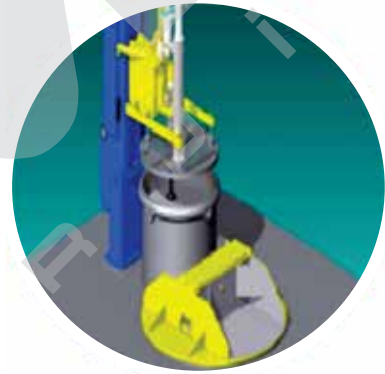
GC/LPC Billet Casting Technology

Hycast™ GC casting technology has been developed for production of extrusion billets which have excellent surface quality. It has been safely used for more than 20 years in Hydro foundries worldwide.

Hycast™ LPC technology is a new and superior casting system developed for production of hard alloys and billets of large diameters.

Features

- GC- Diameter: 127 mm-405 mm (5"-16").
- LPC- Diameter: 127 mm-735 mm (5"-29").
- Patented dual graphite rings provide optimum gas and oil distribution.
- High productivity through dense packing of moulds and high casting speed.
- High efficiency, excellent surface quality.
- Full automatic casting system with Hycast CCS.



RAM – Alkali Metal Cleaner

Hycast™ RAM has been developed to remove the alkali elements (Na, Ca, Li, etc.) present in the liquid aluminium coming from the electrolysis unit. It has been successfully used for more than 20 years in Hydro foundries worldwide.

Features

- High removal efficiency of alkali metals and carbide by the use of Aluminium Fluoride (AlF₃).
- Environment-friendly design that eliminates the use of chlorine.
- Cleaner casting thanks to less inclusion transfer to the casting furnace.
- Reduces dross formation in the casting furnaces due to low Na content.
- Patented rotor design and injection system.
- Short cycle of casting due to the quick cleaning process of the casting furnace.