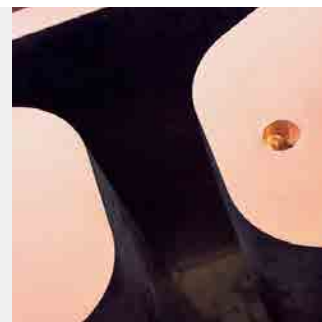


DAN MOULD TUBE

Danieli copper crystallizers for quality casting



**DAN
MOULD
TUBE**

Indisputable experience

In the early 1960s the first Danieli caster started producing steel on an industrial scale.

Over the following 56 years, Danieli has continued to deliver its technology and expertise all over the world, becoming a leading developer and supplier of continuous casting machines for quality steel billets/blooms and beam-blanks.

The documentation of more than 2,000 casting strands installed worldwide demonstrates the reliability of Danieli for always providing quality and innovative technology, supporting customers' efforts to be competitive in steel products manufacturing. This experience in process development and equipment manufacturing is the foundation for the Danieli Service brand of technological products for caster machines, and the mould crystallizer represents one of these Danieli-brand.

The heart of steel casting

Because the major factors that influence the quality of cast products in steel production plants, take place while the molten metal is within the mould, reliable and highly efficient copper tubes and plates selection is fundamental.

This is why Danieli, thanks to years of experience in engineering, manufacturing and running steelmaking plants from melting up to casting, has developed its own line of copper crystallizers for casting machines. These crystallizers contain all the Danieli know-how in steel processing and are manufactured with the latest technological solutions.

Danieli copper elements for billet/blooms, beam blanks, and slab caster moulds provide:

- high-quality, high-purity copper alloys;
- advanced design;
- Danieli quality manufacturing, achieving the highest quality standards required by the market;
- coating treatment to provide a harder working surface.



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Extended advantages

Moreover, the advantages to the customer in choosing Danieli equipment and core-components, also include:

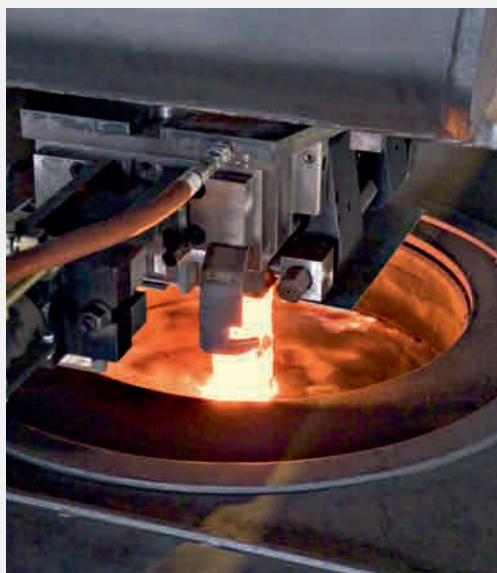
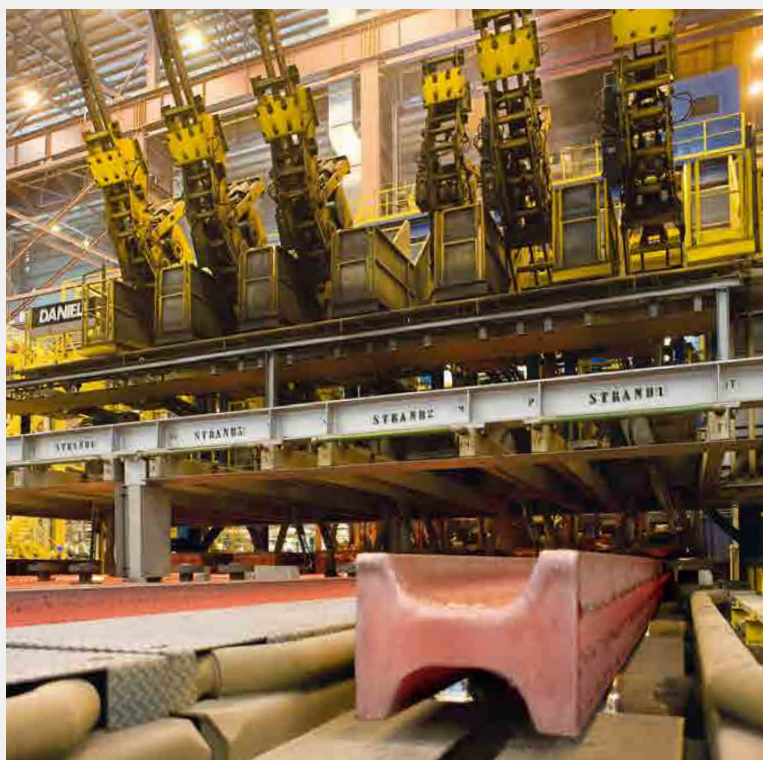
- LTSA Long-Term Service Agreement, to minimize delivery time and spares storage requirements;
- emergency spares;
- capital spare parts agreements to reduce repair time;
- spares implemented by new solutions, in order to improve equipment performances;
- Danieli proprietary brand technology products;
- consulting service to optimize spares management, to avoid hidden production costs;
- reduced inventory.





DAN MOULD TUBE PRODUCTS RANGE

Copper crystallizers are among the most important details in the development of high-quality casting performance standards because they are responsible for the first cooling stage of the steel as it exits the tundish, and the formation of a suitable solidified shell.

Danieli has always dedicated important research and testing resource to the development of these elements, employing its Research & Development department in the study of innovative cooling configurations that, combined with the right materials, coatings and internal geometries, have created products that represent the pinnacle of today's casting technologies.

Products like Power Mould® and the new-generation ECO Power Mould® are setting new benchmarks for productivity and efficiency of billet and bloom casting machines.



Product type	Sections	Sizes (sections and length)	Technology
Billets and Blooms		100-700 mm sq up to 1200 mm length	— Conventional moulds with water jacket. — Standard curved or straight
		diagonal up to 1000 mm up to 1200 mm length	Danieli own-brand: — ECO Power Mould® — Power Mould®
		up to dia 1000 mm up to 1200 mm length	
Beam Blanks		diagonal up to 1000 mm	