



Gold anodes



Silver anodes



Silver bar - Vertical casted



Silver bars



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**Conveyor Cast**

Automated ingot casting system



Smart Manufacturing for the Future

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forging competitive clients™

Automatic ingot casting machine to produce precious and non-ferrous metal anodes and bars



## WHAT IS T-CONVEYOR CAST

T-Conveyor Cast™ is a system designed for companies **casting anodes and bars in precious and non-precious metal**. As a matter of fact, this ingot casting machine can be combined to **tilting melting furnaces with both vertical and horizontal casting**, working with different types of molten metal: gold, silver, copper, brass, zinc, aluminum, etc.

We designed it specifically to lighten the burden of operators' manual workload - just think of the heavy weight of cast iron ingot molds alone - and to **drastically reduce risks at work** due to the proximity to furnaces. This is made possible by using a **pushbutton panel** (also available in a wireless version), which allows **operating tasks at a safe distance**.

Once you add the T-Conveyor Cast™ to your company's production flow, you will immediately perceive how much the pace of production of anodes and bars increases.

## HOW IT WORKS

The T-Conveyor Cast™ ingot casting trolley is equipped with a **remote control system to safely manage both the machine and the ingot molds**: as a matter of fact, by using the pushbutton panel (also available in a wireless version), it is possible to move the T-Conveyor Cast™ in front of the tilting furnace and **adjust it to the height of the casting level**.

Furthermore, **the machine can house many ingot molds of different shapes** according to production needs: anodes, bars, ingots, etc.

T-Conveyor Cast is available as:



## OPTIONAL ACCESSORIES



### Mechanical striker

This pedal operated accessory facilitates the extraction of the products from the mold.



### Customized wheeled trolley

This accessory is available for the recovery of products from the T-Conveyor Cast. It is complete with an internal metal box where the products are deposited. The box can be crane-lifted to transfer the products to the next work station.



### Molds pre warming flame system

This accessory uses a small flame to pre-warm the molds before the blazing hot metal is poured into it. A cold mold that comes in immediate contact with blazing hot metal can cause splashes or eruptions and may be dangerous.



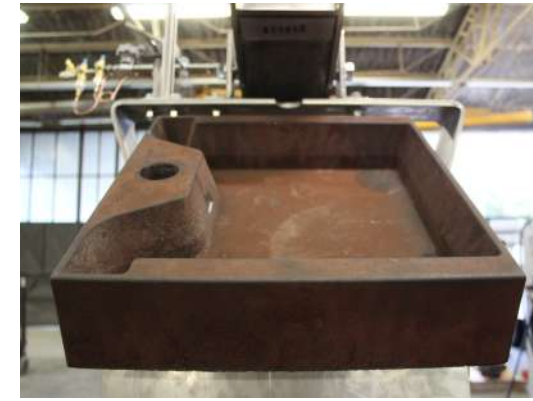
### Pyrometer to self-adjust the temperature

This accessory monitors and regulates the casting temperature. It ensures a consistent and standard production.



### Wireless remote control

This accessory substitutes the pushbutton panel.



Molds for anodes casting



PLC + HMI touch screen



T-Conveyor Cast for vertical casting - Custom designed upon request



Mold for vertical casting



Tilting furnace + Mold ready for vertical casting



Molds for bars casting

Version	Max. abs. power	Usable molds	Managing & Control	Voltage supply	Dimensions (LxWxH) without molds	Weight
STANDARD	3 kW	Anodes molds (Au/Ag) Vertical casted bars (Au/Ag) Large bars Slug	Touch control panel & PLC	400V, 50 Hz	3300 x 1100 x 1120 mm	2000 kg
XL	7 kW	Anodes molds (Au/Ag) Vertical casted bars (Au/Ag) Large bars Slug	Touch control panel & PLC	400V, 50 Hz	4800 x 1800 x 2300 mm	7000 kg