

3 Casting Machines

HORMESA is specialist in various methods of continuous casting of ferrous, non-ferrous metals, and any special alloy. HORMESA has a laboratory for test casting of non common alloys, size, speed and casting method.

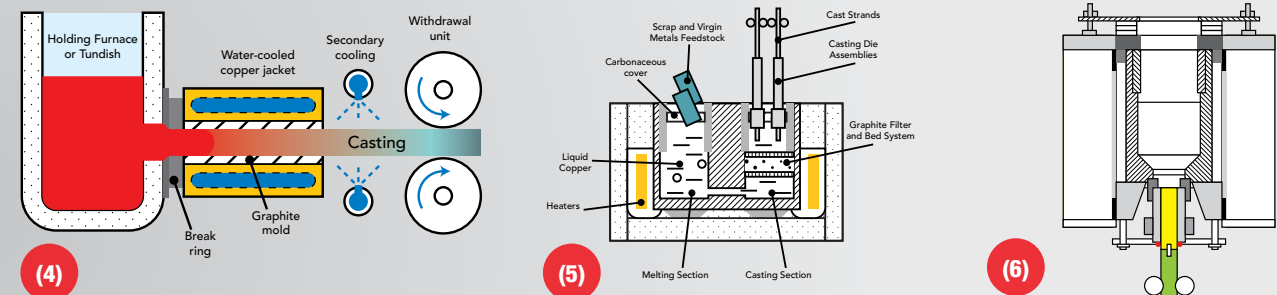
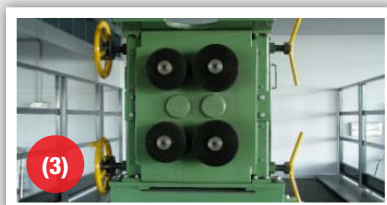
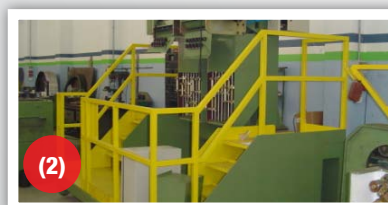
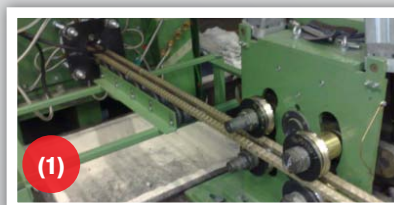
- HCC traction machine. (1)
- VUCC traction machine. (2)

- VDCC traction machine. (3)

HORMESA uses traction system with AC Servo motors in all our continuous casting plants.

AC Servo motors allows to control, speed, acceleration, deceleration and stop time, getting a smoother surface.

Continuous casting methods: HCC (4), VUCC (5), VDCC (6)

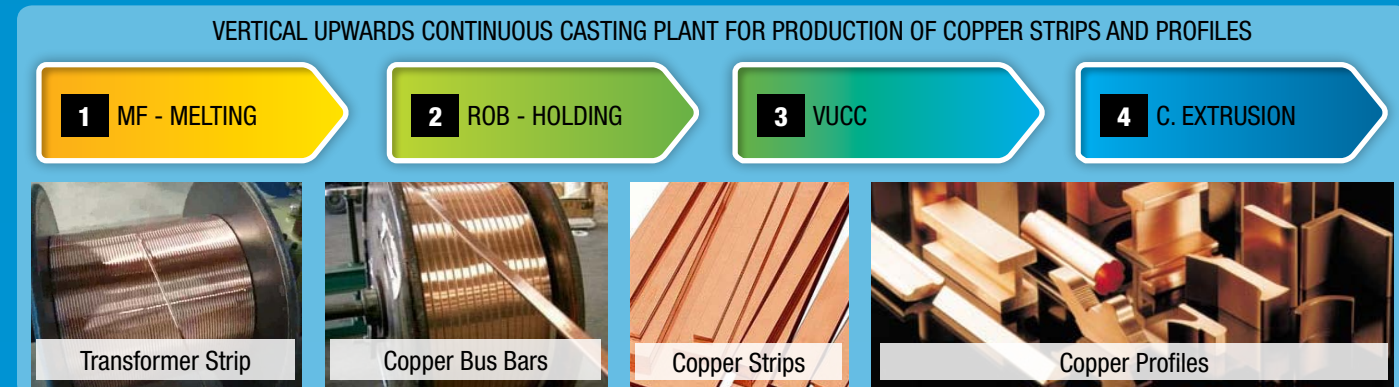


4 Post-Casting Equipment

HORMESA supplies various post-casting equipment, in order to give a complete solution. Some of our post-casting equipment are:

- HCC Bar shaver. (7)
- HCC Cutting saw. (8)
- VUCC Continuous extrusion machine. (9)

In combination of all the equipment listed above, from Pre-Melting to Post-Casting we can obtain from scrap or chips, some of the products shown below. Below are shown some examples of complete plants and it final products.

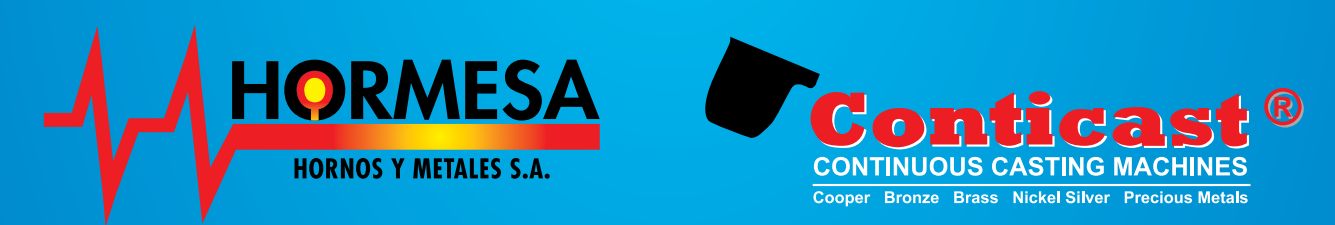


HORMESA can produce plants combining different methods of casting (HCC – VUCC – VDCC) in the same casting furnace! the customer wants to produce both copper bars and copper wire rods, or brass wire rods with brass strips, etc.

Our specialists in engineering and metallurgy give us a great versatility in the design of any project



- Principal
- Offices
- Representatives



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CONTINUOUS CASTING SOLUTIONS

Edge Technology With Best Quality Equipment

ANYTHING THAT IS THINKABLE... WE CAN MAKE IT



HORIZONTAL & VERTICAL CONTINUOUS CASTING PLANTS



1 Pre-Melting Furnaces

HORMESA offers a variety of options for pre-melting furnaces, suitable with the needs of any foundry.

Melting furnaces for Copper and Copper Alloys, Aluminum, Ferrous, Precious Metals and any Special alloys.

- Crucible gas/oil furnaces HORCBG. (1)
- Induction channel furnaces ROB. (2)

- Medium frequency induction furnaces EGP. (3)
- HORMESA also offers **VIBRATING CHARGING MACHINES** (4) for chips and scrap charging into melting units.

Also **SPECIAL ISOLATED LAUNDERS** (5) and **HYDRAULIC TILTING LADLES** (6) for molten metal transportation from Pre-Melting furnace to Holding furnace.



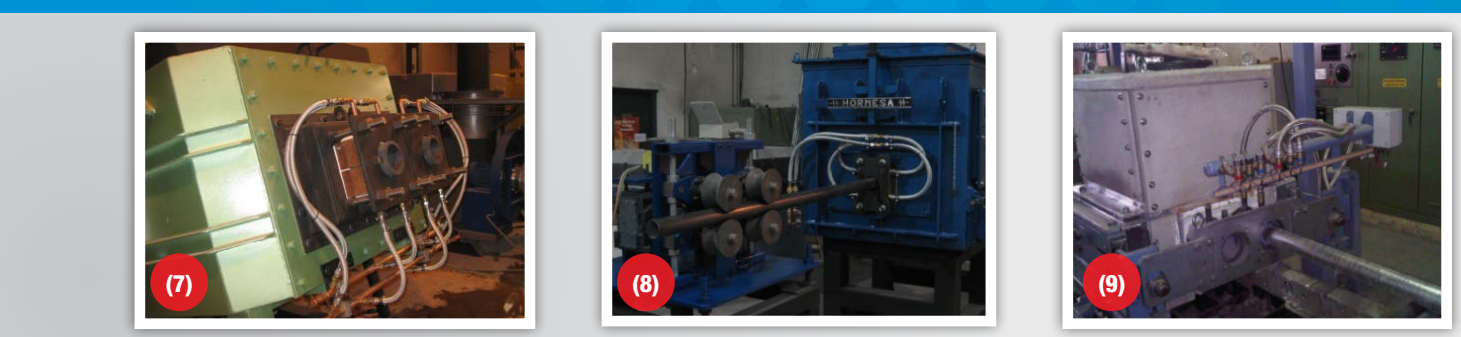
2 Melting/Holding Furnaces

Holding and casting furnaces for Copper and Copper Alloys, Aluminum, Ferrous, Precious Metals and any Special alloys.

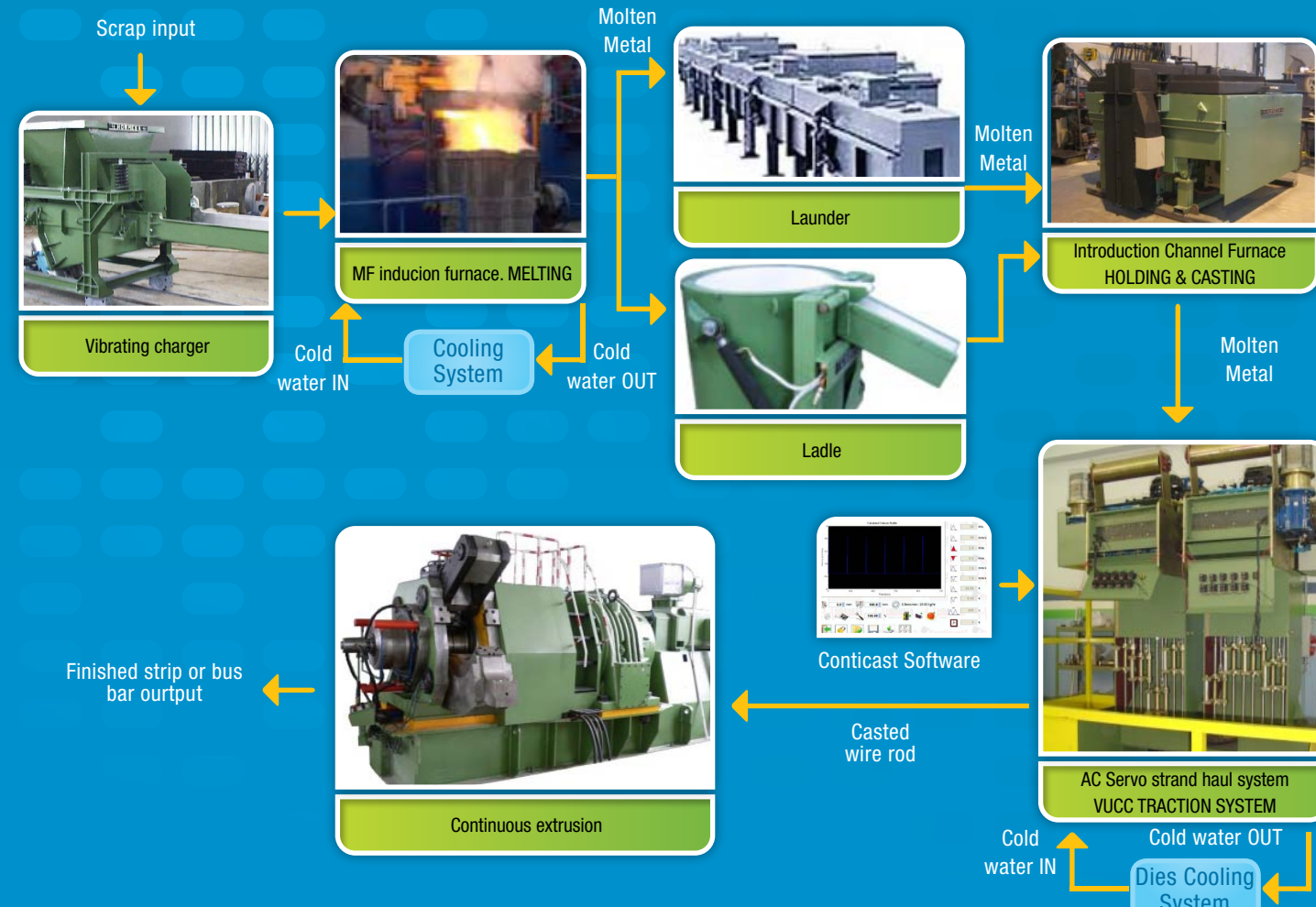
- Crucible gas/oil furnaces HORCBG. (1)
- Electric furnaces with graphite resistance technology HORMESA RF. (7)
- Induction channel furnaces ROB-HCC. (8)

- Medium frequency induction furnaces EGP-HCC. (9)
- HORMESA also offers Melting and Casting in one furnace.

All our models are custom made, and can be made with special modifications for the customer needs.

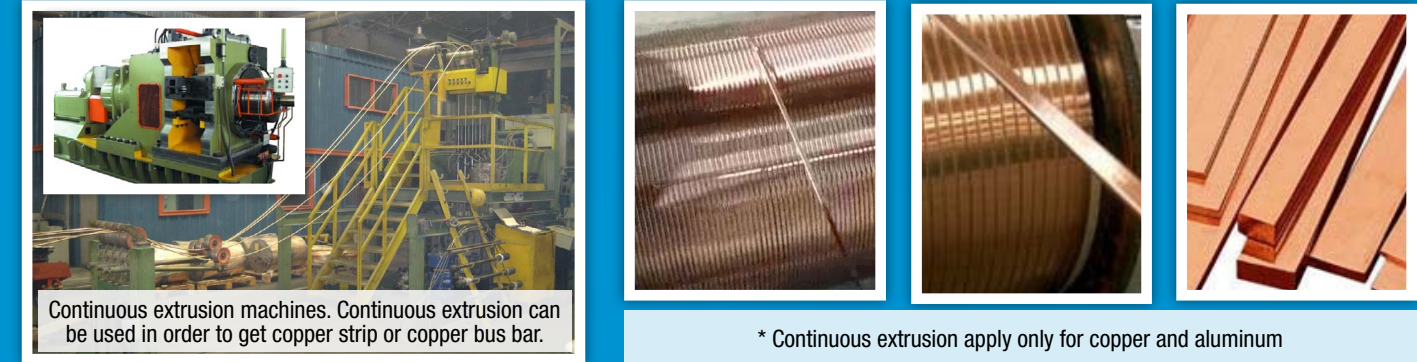


VERTICAL CONTINUOUS CASTING PLANTS

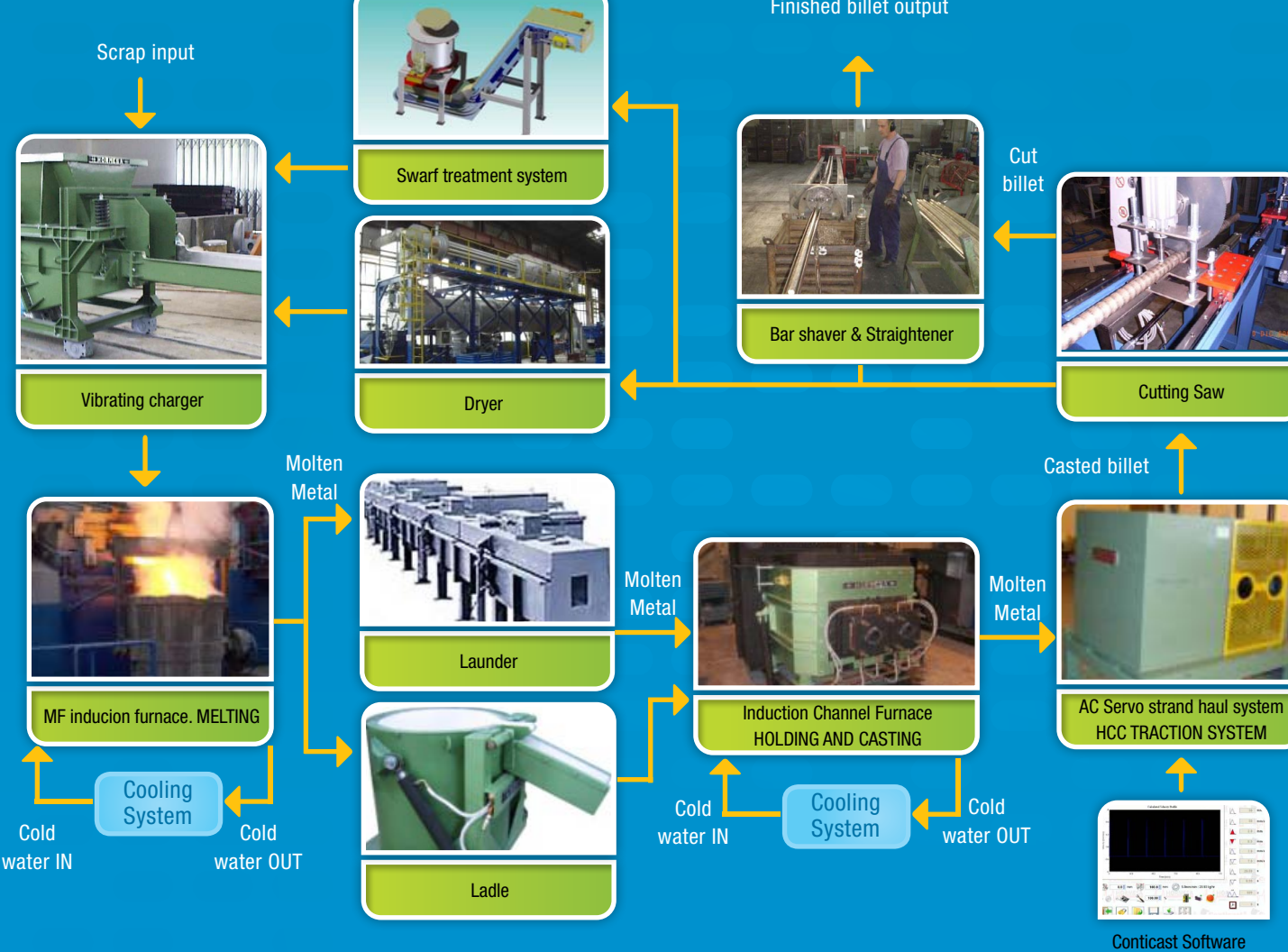


In HORMESA we give the entire solution from the scrap to the final product. Below we will show different type of plants for different products.

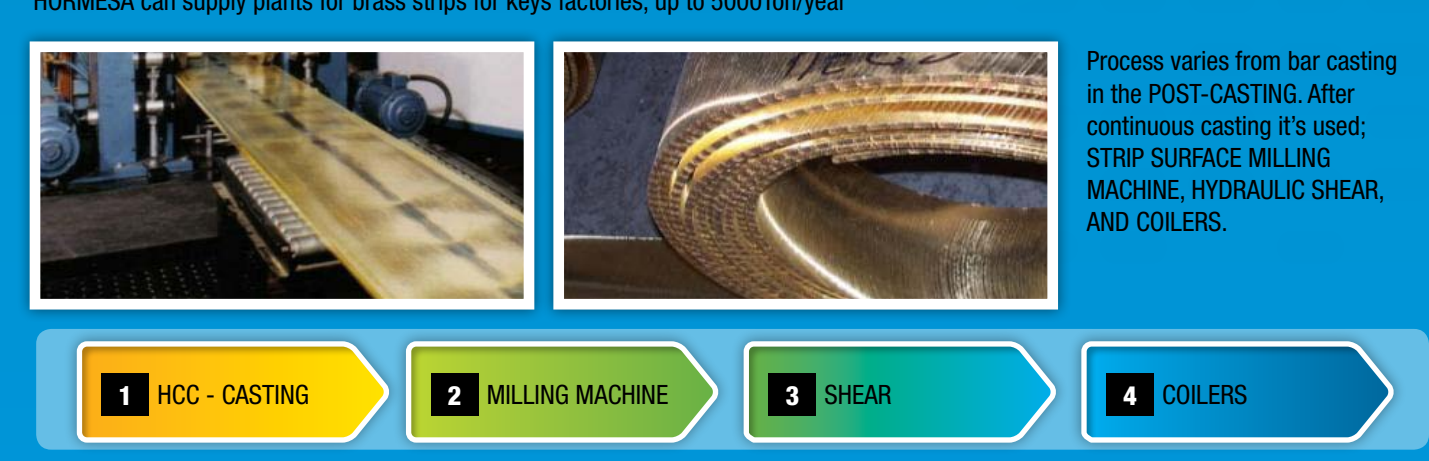
FINAL PRODUCT: Copper & Copper alloys wire rod (VUCC Process)



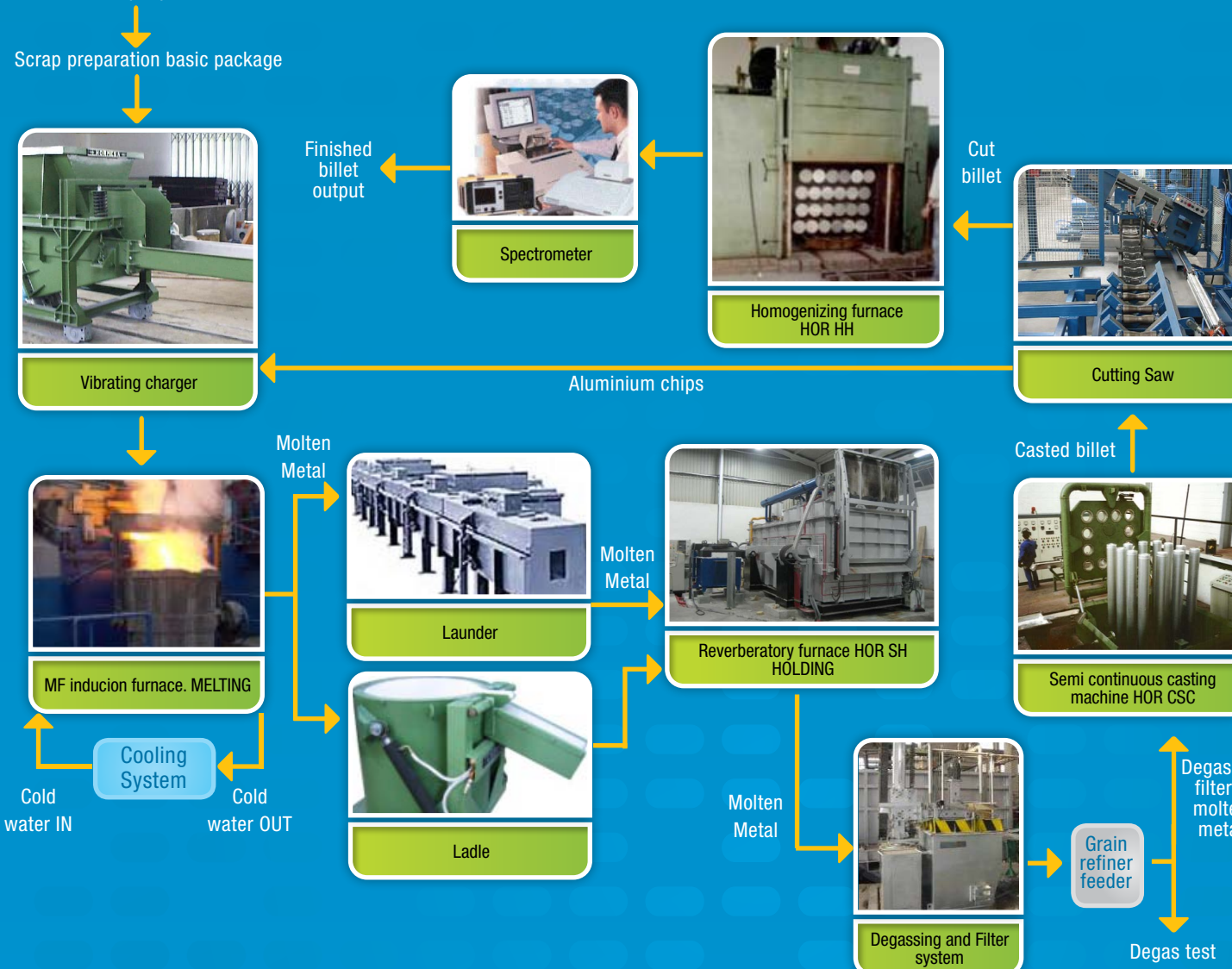
VERTICAL CONTINUOUS CASTING PLANTS



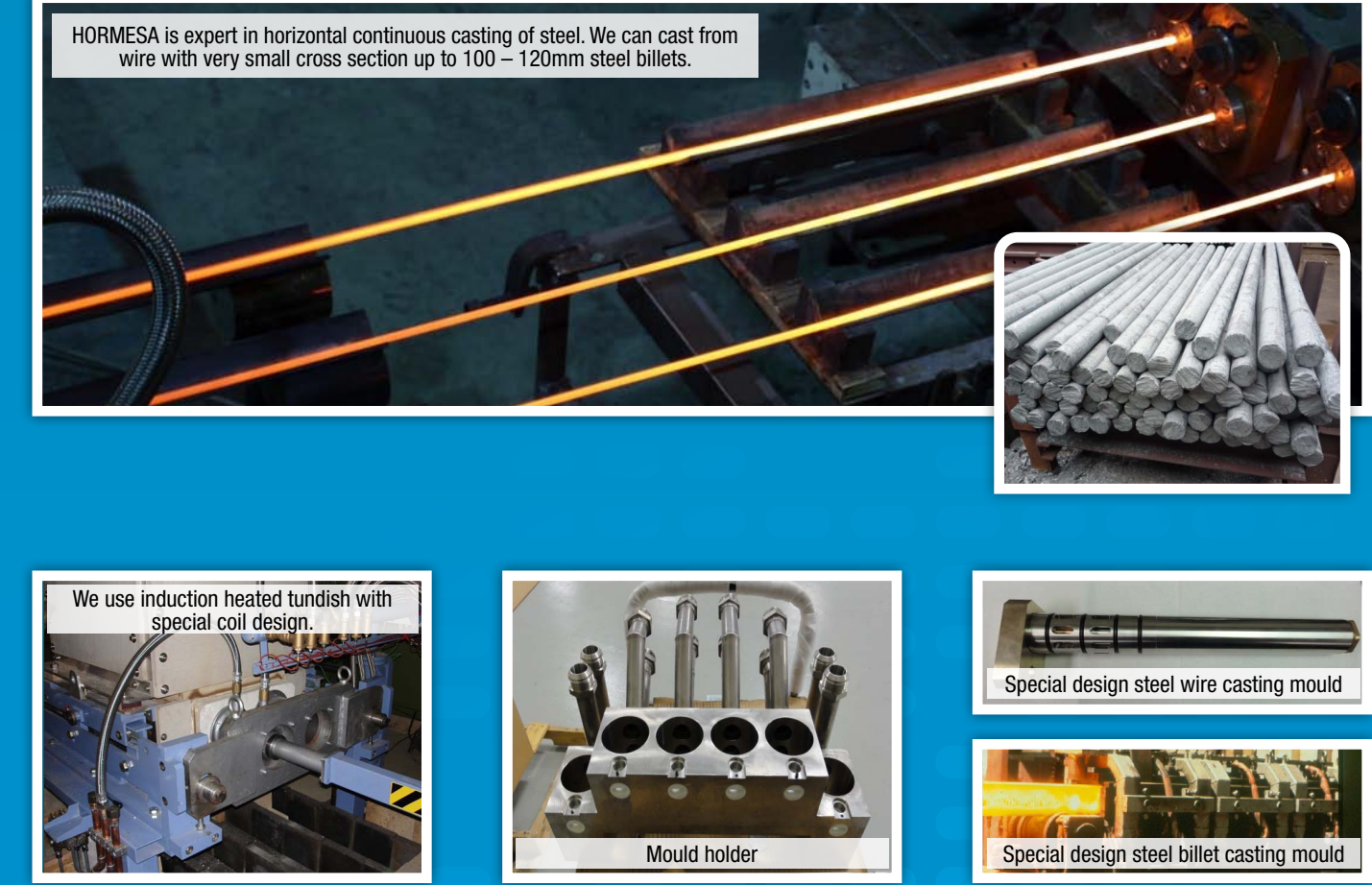
FINAL PRODUCT: Copper & Copper alloys Bars or strips (HCC Process)



FINAL PRODUCT: Aluminum billets (Semi-continuous casting Process)



FINAL PRODUCT: Steel wire or billets (HCC Process)



PROJECT TURN KEY MANAGEMENT

- Available on request from HORMESA
- Project definition consultancy.
 - Specification of equipment and scope of supply.
 - Coordination of equipment purchase, delivery, installation, start up and commissioning.
 - Coordination of technical service support.

