

# Machines for the Foundry Industry

## Casting cooler HCC

### Standard dimension

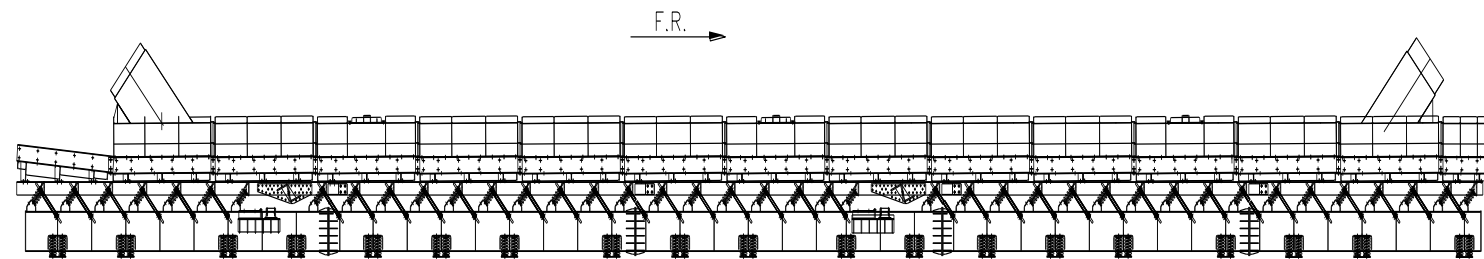
Length: up to 35000 mm (otherwise two machines)

Width: 1400 mm, 1600 mm, 1800 mm, 2000 mm, 2200 mm, 2400 mm, 2600 mm

Other dimensions are available.

Vibrating data: 500 1/min with 8 mm amplitude Electric power: 11 kW – 22 kW

Different speed adjustable



The trough of the machine can be delivered as changeable trough from Hardox 400, trough made from mild steel with wear plates also from mild steel or from Hardox. The casting cooler is designed for working at high temperatures. Trough and hood can move their positions against each other for some mm and will not be damaged by high temperature.

Please send us the main technical data from your molding line and your furnaces as follows and we will send you our quotation:

### Needed data

- Molds per hour
- Length of casting
- Width of casting
- Type of casting
- Max. weight of all castings in the mold
- Module (surface to weight ratio)
- Temperature of castings after output molding line
- Cooling time in molding line
- Needed outlet temperature after casting cooler
- Max. material thickness in casting

### Example

- 100 molds/h
- 1000 mm
- 1400 mm
- cylinder heads, ...
- 250 kg
- 1,4 cm/1,0 dm<sup>2</sup>/kg (if available)
- 650° C
- 2 hours (if available)
- 100° C (if available)
- 20 mm

Based on your data we are doing a thermodynamic calculation in order to find out the dimensions of your casting cooler. The optimized airstream „Airspeed“ brings the best cooling results. If you send us a drawing of your existing or planned foundry where the space situation is shown, we can find the best dimensions for your cooler of the molding line. In addition to the casting cooler, new air pipes, fan and sometimes cyclon and additional filter capacity are necessary. The continuous casting production is guaranteed from the casting cooler to the sand blast machine.

For further information please call: +49(0)6157 402-9982(Germany)  
or send an Email to [hoppe@hoppeschwingtechnik.de](mailto:hoppe@hoppeschwingtechnik.de)

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