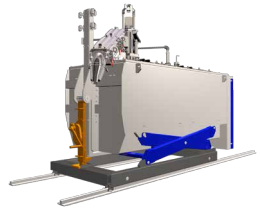




RAUCH MAGNESIUM MDO200EC



Magnesium melting- and dosing furnace MDO200EC - cost efficient

RAUCH Magnesium dosing furnaces are the result of the consistent conversion of metallurgical realizations and practical concepts. They offer a state of the art installation, maximizing security, efficiency and reliability. The MDO200EC is the new developed cost efficient melting and dosing furnace based on proven technology

Application

RAUCH Magnesium dosing furnaces make possible

- the melting of magnesium alloys in controlled and safe conditions
- the full automatic dosing of magnesium melt into the shot sleeve of a cold chamber diecasting machine

Design

- The MDO is equipped with a two-chamber-crucible (melt chamber and pump chamber). The two-chamber-design makes it possible to keep a constant temperature in the pump chamber. Therefore the casting conditions remain stable.
- The MDO is equipped with an electric resistance heating. The heating and their control, as well as the protective gas supply, are separated for melt chamber and pump chamber.
- Driving unit – manually operated to move the furnace forward and backward
- Lifting unit – manually operated to move the furnace easy to the desired shot height of the DCM
- Duct system for ingot feeding can be installed on the cover plate
- New Siemens S7/1200 control system with monochrome display
- Resistance heating system, easy exchangeable without dismantling the crucible
- Constant melt temperature and high capacity via bottom heating element
- Level sensor to prevent overfilling of the crucible – BBS
- DISPO 30 interface for DCM
- And much more....

Transfer systems

The furnace is equipped with a downward dosing system for shot weights from 0,8 kg (1,6 lb) up to 3 kg (6 lb) per dosing cycle.

镁熔炼定量炉MDO200EC – 经济型

劳和镁熔炼定量炉基于实践引导理念下始终引领冶炼工艺的最新变革。达到了工业艺术化制造水平，最强的安全标准，最高效和稳定的运行表现。MDO200EC就是基于这些理念所设计研发出的新款经济型镁熔炼定量炉。

应用

劳和镁熔炼定量炉可实现

- 可控及安全高效的镁合金熔化工艺
- 全自动化高精度定量输送镁液到冷室压铸机射料管中

设计

- MDO系列镁熔炼定量炉配备双室坩埚（熔化室和泵室，这种双室设计保证了泵室内镁液温度的恒定精控，因此压铸产品的质量也可保持稳定。
- MDO系列镁熔炼定量炉装备了电阻式加热系统，加热区域和保护气体的供应区域都为熔化室和泵室两个部分。
- 前后驱动系统 - 人工操作引导熔炉前后方向的移动
- 升降系统 - 人工操作简单方便将熔炉升至压铸机射料位
- 镁合金锭投料管安装在熔炉盖板上
- 最新型西门子S7/1200控制系统带有黑白显示屏
- 电阻式加热系统，更换简便，不需取出坩埚就可完成
- 通过底部加热器实现更加稳定和精控镁液温度
- 最高液位探测系统可避免镁液因过多而溢流出坩埚 — BBS系统
- 采用DISPO 30制式与压铸机进行信号连接
- 还有很多其他功能特性

镁液喂料系统

镁熔炼定量炉配置一套下送式精度喂料系统，每次喂料的重量可在0.8公斤（1.6磅）到3公斤（6磅）之间。



RAUCH MAGNESIUM MDO200EC

The dosing pump has a dosing accuracy of $\pm 1\%$ of the shot weight (depending on the operating conditions). The transfer system and dosing nozzle is electrically heated and easy to maintain.

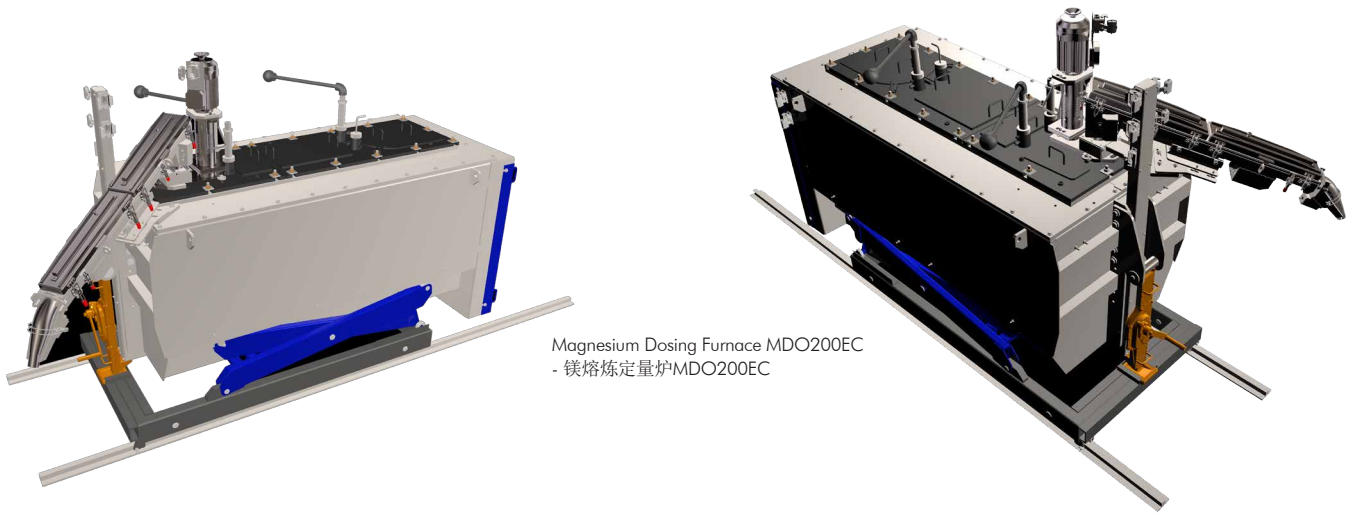
Further features

The RAUCH Magnesium dosing furnace MDO200EC is designed to get connected to a RAUCH ingot prewarming and feeding unit MVE150E or the new MVE151E.

定量泵的定量精度在 $\pm 1\%$ 之间（基于正常生产条件下）。镁液传输管和出料口采用电加热并易于维护保养。

其他特性

劳和镁熔炼定量炉MDO200EC设计可配套连接劳和的镁锭预热喂料装置MVE150E或新型MVE151E。



Magnesium Dosing Furnace MDO200EC
- 镁熔炼定量炉MDO200EC

MDO	200EC
Melt capacity 镁液熔化率	[kg/h] [千克/小时] 200
Crucible content 坩埚容量	[kg] [千克] ~ 665
Crucible chambers 坩埚室	2
Net weight 净重	[kg] [千克] 2555
Connected load electrical 连接电功率	[kW] [千瓦] 115
Connected load combustible 连接负荷	[kW] [千瓦] -
Dimensions without transfer pipe 不含输料管的熔炉尺寸	
Length 长	[mm] [毫米] 2700
Width 宽	[mm] [毫米] 1200
Height 高	[mm] [毫米] 2070 - 2670
Dimensions switch cabinet incl. base 电控柜尺寸，包括底座	
Width 宽	[mm] [毫米] 1200
Depth 内深	[mm] [毫米] 500
Height 高	[mm] [毫米] 2200

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