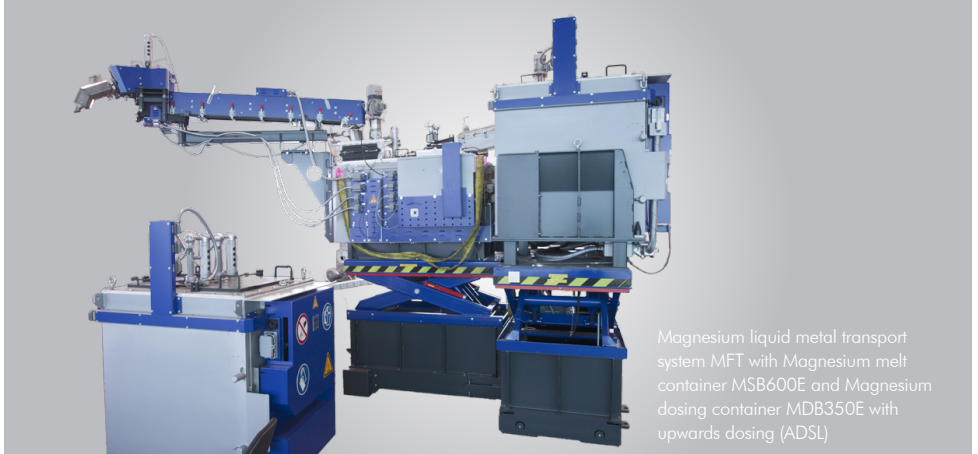




# RAUCH MAGNESIUM MFT



Magnesium liquid metal transport system MFT with Magnesium melt container MSB600E and Magnesium dosing container MDB350E with upwards dosing (ADSL)

## Mg liquid metal transport MFT

The integration of a RAUCH Magnesium liquid metal transport system MFT in the magnesium foundry, or at magnesium recycling systems ensures the maximum cost and quality efficiency.

The melt is transferred by means of a pump into the electrically heated Magnesium melt container MSB. The Magnesium melt container is transported by the stacker to the furnaces.

The Magnesium dosing container MDB at the diecasting machine is equipped only with holding power when using the liquid metal transport concept.

## Advantages

- minimum space required at the machine
- lowest connected loads at the diecasting machine
- significant reduction of manual work load
- constant melt level in the dosing furnace
- constant melt temperature in the dosing furnace
- centralized melting of the total material

## Design

The melt container MSB is used to transport liquid magnesium from the melting furnaces or the recycling system to the dosing furnaces. The integrated pump transfers magnesium into the dosing furnace.



# RAUCH MAGNESIUM MFT

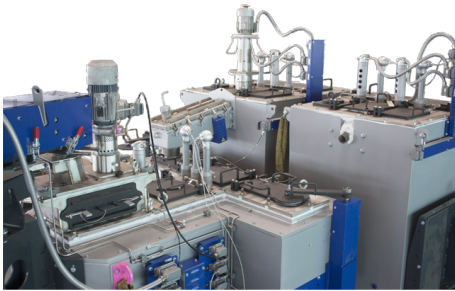
The installed heating capacity is able to keep the temperature constant.

The MSB is transported by a fork-lift truck or a crane to assure safe transport of the liquid magnesium.

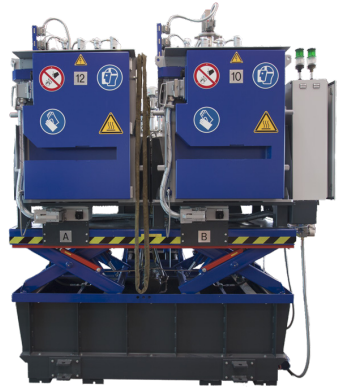
The MDB is a stationary dosing furnace, constantly fed with liquid magnesium to assure constant melt level for dosing accuracy and even temperature of the magnesium as well as uniform quality.

The MDB is equipped with holding and/or docking places for one or two melting containers, which are feeding the dosing furnace automatically and continuously.

With this system huge casting rates on smallest footprint at the casting cell are possible. Prerequisite for this system is a central melting system (new and recycling material Cl. 1).



Transfer of the Magnesium melt from the melt container MSB600E to the dosing container MDB350E



Magnesium melt container MSB600E on a lifting table

		MSB600E	MDB350E
Melt capacity		Holding process	
Crucible content	[kg]	~ 725	~ 350
Net weight	[kg]	2000	2000
Dosing quantity, max.	[kg]	600	120 - 165
Length	[mm]	1400	1835
Width	[mm]	1150	1855
Height	[mm]	1210	1855
Connected load electrically	[kW]	25	78