



# RAUCH MAGNESIUM MVE



Magnesium ingot prewarming and feeding unit MVE500E

## Magnesium ingot prewarming and feeding unit MVE

RAUCH ingot prewarming and feeding units MVE fulfil the process- and safety-relevant demands for a safe drying- and prewarming process of the feeding material and an even and careful automatic feeding of the melt aggregates.

The continuous feeding of the furnace, a rapid melting of the ingots, minimizes temperature fluctuations and differences in the furnace and keeps its level constant.

## Application

RAUCH ingot prewarming and feeding units MVE are used

- at magnesium premelting furnaces
- at incell recycling furnaces
- at magnesium hot or cold chamber furnaces, if no liquid metal feeding is provided.

## The MVE enables

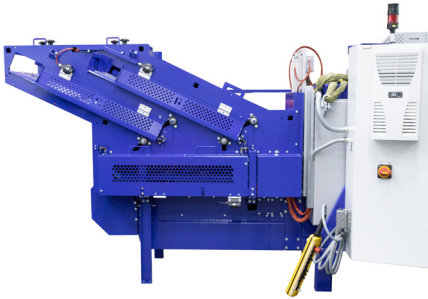
- a safe hot-air drying of Magnesium ingots and their heating up to an inner temperature of minimum 100 °C,
- the heating up of the inner temperature up to 300 °C to get advantages in terms of the metallurgy in the melt,
- the automatic feeding of the melt aggregate, depending on the melt consumption. RAUCH prewarming and feeding units are available in a size from 500 kg/h up to 1500 kg/h troughput in this version.



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They can be heated either with electricity or with the exhaust gas of gasfired furnaces using a heat exchanger.

Automatic destacking units of the magnesium stack for higher consumption or magazines for direct storing of ingots are also available.



Ingot magazine extension MVEE



Magnesium ingot prewarming and feeding unit MVE1200E

MVE		500E	750E	1200E
Prewarming capacity > 100°C center temperature	[kg/h]	500	750	1200
Number of ingots		5	10	23
With ingot magazine extension	pcs.	up to 24	up to 24	
Ingot size				
Length	[mm]	500 - 700	500 - 700	500 - 762
Width	[mm]	120 - 175	120 - 175	110 - 190
Height	[mm]	40 - 90	40 - 90	40 - 139
Connected load electrical	[kW]	36	72	140