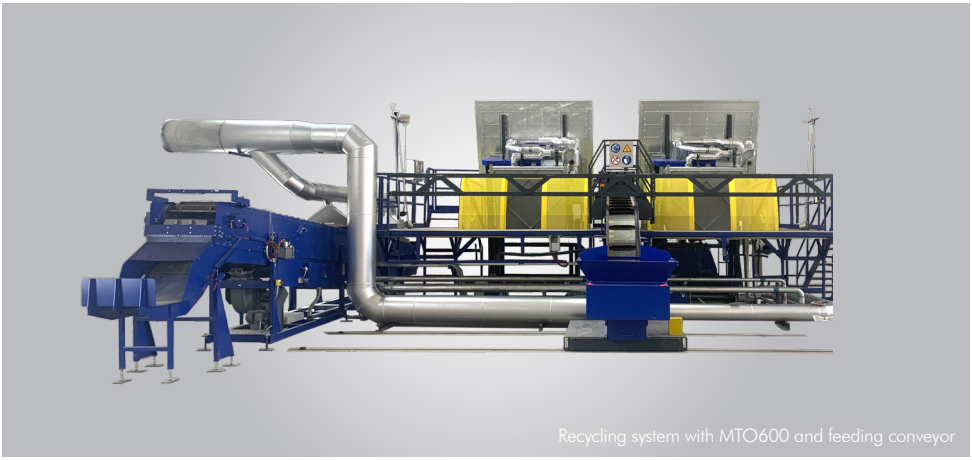
RAUCH MAGNESIUM RSA



Recycling system with MTO600 and feeding conveyor

Magnesium remelting system RSA

A lot of reclaimed material incur in a diecasting foundry which can be converted to HP-quality with a Magnesium remelting system RSA. All classes of Magnesium scrap are cleaned with salt or gas before a batchwise remelting. After an analyse of the alloy corrections can be made with additional alloying elements and the molten scrap can be converted to ingots or fed in liquid form to the diecasting process.

Different alloys can be recycled with one system due to the batchwise process (600 kg/batch).

The process-optimised system configurations are modular expandable to cope with the increasing requirements of our customers.

Standard system configuration:
RSA2000 (2.000 to/a)

Other option: RSA4000 with MTO2500 and MWO2000

Feeding conveyor

MTO2500 tilted

MTO600 tilted

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CLASS 1	CLASS 2	CLASS 3	CLASS 4	CLASS 5
High grade clean scrap: biscuits, scrap casting, runners clean scrap with high surface area: possibly shredded	Clean scrap with steel / aluminium inserts: no copper, brass or nickel	Scrap castings painted: no copper, brass or nickel inserts	Unclean scrap, oily, wet contaminated: may contain silicon, aluminium alloys, copper contaminated alloys	Chips, swarf, return of mechanical processing: clean, dry, uncontaminated, preferably briquetted
				

		MFB	MTO600B	MTO600E	MWO600E	MMGB800E	MMGB1200E
Melting capacity			~ 600 kg / Batch	~ 600 kg / Batch	holding capacity		
Crucible content	[kg]		~ 610	~ 610	~ 720		
Conveyor capability	[kg/h]	500					
Casting capacity	[pcs/h]					60 - 120	60 - 120
Cycle time	[s]					30 - 60 adjustable	30 - 60 adjustable
Numer of ingot moulds						90	90
Ingot weight	[kg]					4 - 12	8 - 12
Net weight	[kg]	3000	~ 8100	~ 5950	~ 2500	~ 6400	~ 9300
Transfer weight per cycle	[kg]		500 - 600	500 - 600			
Connected load electrical	[kW]	1,1	6	~ 168	27	51	75
Connected load combustible	[kW]		360				
Length	[mm]	6800	2760	3280	2000	10350	10610
Width	[mm]	1440	2700	2900	1250	1470	2500
Height	[mm]	2690	3280	2670	1500	2400	3170