



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)








MTO600 tilted



Feeding conveyor



RAUCH MAGNESIUM RSA

CLASS 1	CLASS 2	CLASS 3	CLASS 4	CLASS 5
High grade clean scrap:	Clean scrap with steel / aluminium inserts:	Scrap castings painted:	Unclean scrap, oily, wet contaminated:	Späne, Rücklauf aus mechanischer Bearbeitung:
biscuits, scrap casting, runners clean scrap with high surface area: possibly shredded	no copper, brass or nickel	no copper, brass or nickel inserts	may contain silicon, aluminium alloys, copper contaminated alloys	Sauber, trocken, nicht verunreinigt, vorzugsweise brickettiert
				

	MFB	MTO600B	MWO600E	MMGB800E	MMGB1200E	
Melting capacity		~ 600 kg / Batch	holding capacity			
Crucible content	[kg]	~ 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	~ 2500	~ 6400	~ 9300
Transfer weight per cycle	[kg]		500 - 600			
Connected load electrical	[kW]	1,1	6	27	51	75
Connected load combustible	[kW]		360			
Length	[mm]	6800	2760	2000	10350	10610
Width	[mm]	1440	2700	1250	1470	2500
Height	[mm]	2690	3280	1500	2400	3170