

MIM Debinding Furnaces

Models EDA-50 to EDA-250

For small numbers of MIM parts

- Solvent extraction of binder systems
- Closed system, technically mature and robust
- Integrated vacuum drying
- Integrated solvent recovery
- Explosion-proof according to ATEX-Directive 94/9/EC
- Stainless steel design
- Made in Germany



Photo: EDA-50 with optional equipment



MIM Debinding Furnaces

Models EDA-50 to EDA-250

For small numbers of MIM parts

Model	EDA-50	EDA-150	EDA-250
Total placement area for MIM parts	max. 1.98 m ²	max. 5.35 m ²	max. 9.16 m ²
Inner dimensions of debinding chamber, diameter x length	342 x 515 mm	420 x 1000 mm	590 x 920 mm
Volume of debinding medium approx.	45 l	140 l	240 l
Circulation rate of debinding medium during process, adjustable	0 – 20 l/min	0 – 50 l/min	0 – 50 l/min
Distillation rate, depending on solvent, water content and type and degree of pollution	8 – 30 l/h ^{*1}	25 – 60 l/h ^{*1}	40 – 90 l/h ^{*1}
Operating temperature	max. 200 °C	max. 200 °C	max. 200 °C
Type of protection	Ex II 2 G T3	Ex II 2 G T3	Ex II 2 G T3
Average energy consumption during debinding process per hour approx.	0.5 – 1.0 kWh*	1.0 – 2.0 kWh*	1.5 – 2.5 kWh*
Average energy consumption during distillation process per hour approx.	2.5 – 3.5 kWh*	6.0 – 7.0 kWh*	9.5 – 11.0 kWh*
Width	695 mm	695 mm	845 mm
Height	1740 mm	1850 mm	1985 mm
Depth	1650 mm	1900 mm	2100 mm
Empty weight approx., without / with integrated tanks	300 / 450 kg	480 / 750 kg	550 / 820 kg

Technical specifications are subject to alteration and are to be considered as an orientation, since each furnace is engineered and manufactured specifically according to your requirements. Other sizes available on demand.

* Values can only be guaranteed after testing your process.

¹ Non-binding approximate values for liquid-solid distillation of organic solvents with a maximum boiling point of 210 °C and a maximum solids content of 5 %.

