



HS-Group
ONLINK TECHNOLOGIES



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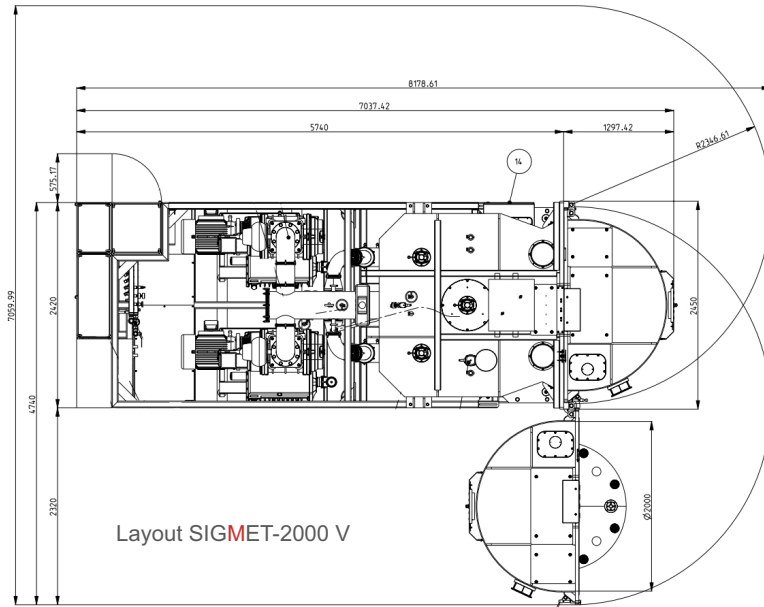
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High Vacuum Batch Coater
SIGMET Series

High Vacuum Batch Coater SIGMET Series



PLANT TYPE	SIGMET-1250 V	SIGMET-2000 V	SIGMET-3000 V	
Chamber diameter	[mm]	1250	2000	3000
Weight per substrate holder	kg	50		
Substrate holder orientation	-	vertical		
No. of substrate holders	-	6 / 8 / 12	1 / 4 / 6 / 7 / 8 / 10	4 / 6
Usable diameter	[mm]	360 / 310 / 220	950/610/550/507/432/377	980 / 850
Usable height	[mm]	1200	1800	1200
Plasma pre-treatment	-	DC / MF / Microwave - glowing		
Ultimate vacuum	[mbar]	< 2x10 ⁻⁶		
Drive speed	[1/min]	1 - 10		
No. of evaporators	-	18	25	18
Evaporator power	[kW]	20		
Batch time	[min]	15 - 25		
Layer	-	PECVD Base Coat / Aluminum / SiO _x / PECVD Top Coat		
Coating source	-	Tungsten filament or sputter magnetron		
No. of doors	-	2		
Power consumption - cosφ 0,8	[kW]	45	78	85
Dimensions (LxWxH)	[mm]	6100 x 5050 x 2500	8200 x 7100 x 3250	13700 x 8900 x 3550

* Other machine sizes and specifications on request

Features

- ▶ Double door arrangement for high productivity
- ▶ Precise drive system
- ▶ Planetary drive for uniform coatings
- ▶ Vertical arrangement of substrate holder
- ▶ Substrate holder fixed only on one side
- ▶ Tungsten filament evaporators
- ▶ Pre-treatment by DC glow discharge,
- ▶ Pre-treatment by MF (40 kHz) optional
- ▶ Pre-treatment by microwave optional
- ▶ Recipe management and visualization
- ▶ Data management for process documentation
- ▶ Large substrates possible
- ▶ Other planetary arrangements on request
- ▶ Base coat by PECVD process
- ▶ Top coat by PECVD process
- ▶ Antifog coat by PECVD process
- ▶ Highly effective and fast vacuum system
- ▶ Cryogenic trap to capture moisture
- ▶ Short cycle time

Applications

- ▶ Automotive
- ▶ Furniture
- ▶ Cosmetics
- ▶ Decorative
- ▶ Lighting
- ▶ Glas
- ▶ Special

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