

Cost-effective mass production of consumer products

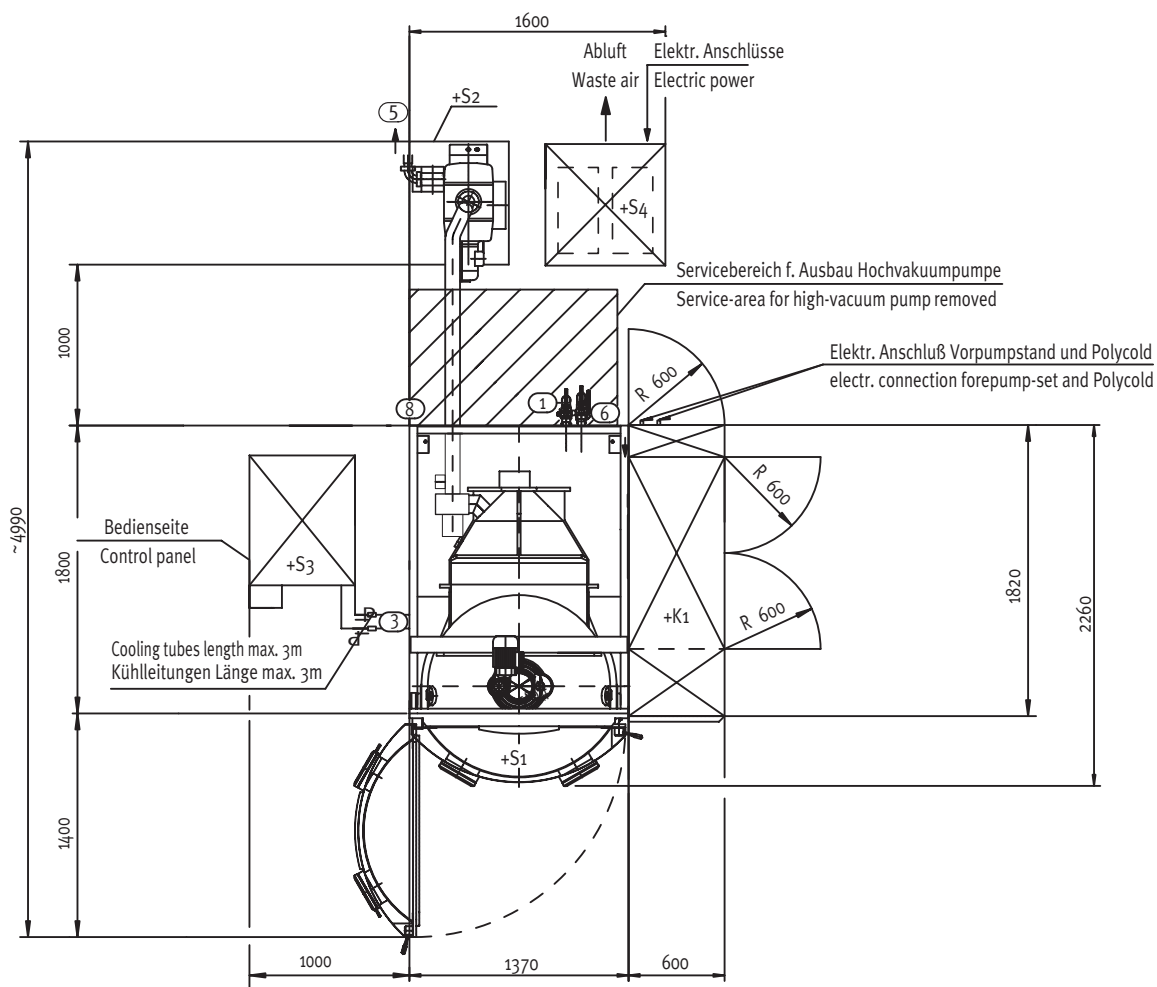
Specifically designed for digital optical uses the SYRUSpro CFM coating system achieves highest productivity while decreasing loading capacity. It offers excellent layer performance to do OMS and APSpro technology, as well as a high-speed process and a superior production output.



OPTICS

SYRUSpro CFM

Technical Features



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Technical Data

Process Chamber

Inside diameter 1,110 mm

Process Control

Automatic process control system SYproCS

Pump Set

Pre-vacuum pump Roots pump set
 High vacuum pump Diffusion pump
 Meissner trap Polycold PFC
 Pump down time (to 1×10^{-5} mbar) approx. < 7 min* / 14 min* clean chamber / process conditions

Substrate Carrier

Calotte diameter 1,051 mm
 Capacity (typical):
 Substrate dia. 65 mm 201 pcs.
 Substrate dia. 70 mm 180 pcs.
 Substrate dia. 75 mm 153 pcs.
 Substrate 88 x 80 mm 99 pcs.

Substrate Treatment

Substrate Heating up to 200 °C
 Back side heater 6.6 kW

PIAD Source

Plasma source APSpro

PVD Sources

Electron beam evap. HPE 6 up to 10 kW depending on crucible type

Layer Monitoring

Physical monitoring
 Quartz crystal thickness monitoring XMS

Optical monitoring
 Optical thickness monitoring OMS 5000 VIS

Site Requirements

Water	hot / cold	
Consumption	86 l/min @ 20 °C	
Pressure	4.5 bar	minimum
Compressed air	7 to 9 bar	102 to 129 psi
Electrical connection		
Voltage	3 x 400 V	± 10 %
Frequency	50 / 60 Hz	
Power	80 kW	maximum
Required floor space (approx.)	17.3 m ²	incl. safety-, service- and operation area
Floor load/weight (approx.)	3,800 kg	

* pump set with roots pump set, diffusion pump and Meissner trap

All details are subject to technical changes.

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