

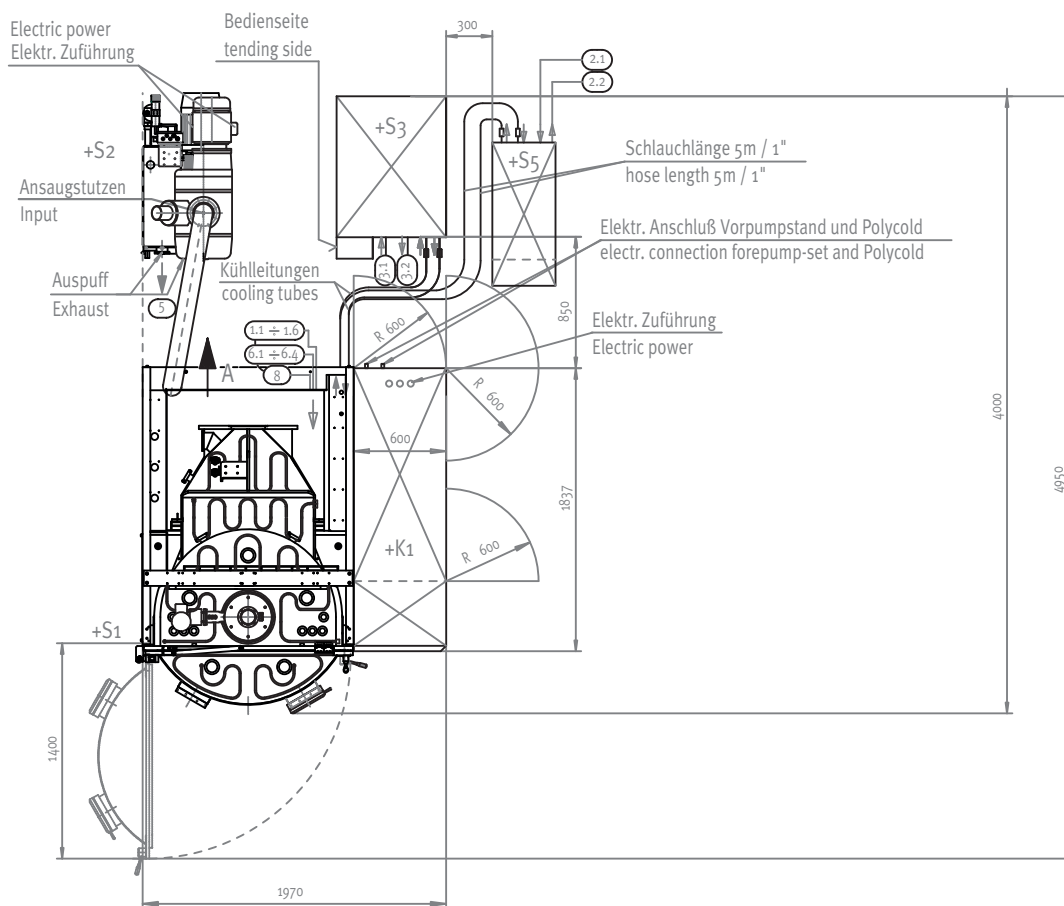
More efficiency by short process cycle times

Excellent coating results at really low production costs: SYRUS III makes the mass production coating of stock lenses more efficient. It can deal with large batches while convincing by short process cycle times. Its handling meets the well-known LO standards of easy process monitoring and machine operation.

OPTICS

SYRUS III

Technical Features



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Market demands for greater efficiency in the mass production of stock lenses. SYRUS III has the capability to fulfil these demands.

SYRUS III handles large batches, e.g. 168 lenses with 65 mm in dia. and short process cycles, e.g. 35 min (single side coating).

Features

- Special design for manufacturing of stock lenses
- Easy dismantling and re-installation of HPE6
- Improved vacuum system for short evacuation cycles
- Control software based on WINDOWS NT™
- Easy process monitoring
- Touch screen with increased visible range (option)
- Data recording and remote analysis via modem

Components

- Electron beam evaporator HPE 6 in central position
- Improved ion source, controller and power supply
- Ion source with water-cooled anode
- Powerful vacuum pumping system
- Optimized position of Meissner trap
- Top heating for mineral lenses (option)
- On-top system venting
- Non-cooled protection shields

Processes

- **Brilliant** - broadband antireflection coatings for mineral glass or organic substrates
- **Diamond** - broadband antireflection coatings for mineral glass
- **Opal** - mirror coatings for sunglass lenses
- **Topaz** - absorption coatings for sunglass lenses

Technical Data

- Pumping Systems
 - Diffusion pump (l/s) 12,000
 - Roots pump (m³/h) 1,000
 - Rotary-vane pump (m³/h) 300
 - Meissner trap (Pumping speed for H₂O in l/s) 50,000
- Coating chamber volume (l) 1,100
- Substrate carrier diameter (mm) 1,060
- Number of substrates
 - Standard substrate carrier
 - Ø 55 mm 220
 - Ø 60 mm 188
 - Ø 65 mm 168
 - Ø 70 mm 144
 - Ø 75 mm 128
 - Ø 80 mm 104

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