

LS Processors for Foils and flexible Substrates



LS Processors – maximal flexibility for wet process applications

LS Processors are offering maximal flexibility for process applications such as spray development, spray etching, cleaning and lift-off-processes in combination with high variability of substrates including foils and flexible substrates (glass, ceramic, plastic and others). Substrates are automatically loaded into the process station using a sophisticated transfer system. Further process options such as recycling and heating of process media, high pressure applications and others can be integrated.

System Features

- 2-axes handling system for automated loading of substrates / foils into the process chamber
- Customer specific foil types and sizes up to 400mm x 400mm
- Minimal contact area during handling, only 5mm at edge of the substrate
- Safe holding of foils on chuck at high spin speeds, up to 4000rpm
- Automated chuck cleaning function
- User friendly software
- SECS/GEM interface
- Customer specific solutions

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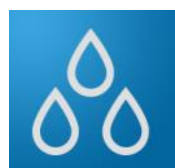
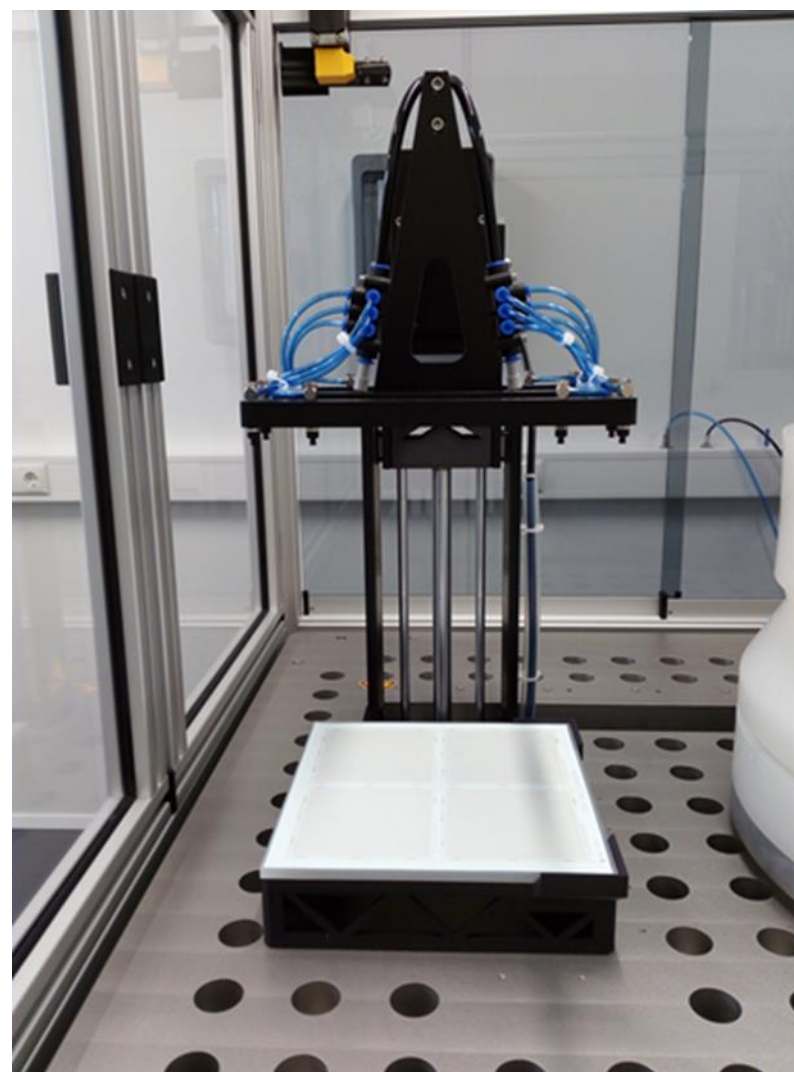
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Handling System

- 2-axes handling system of automated loading for substrates / foils into the process chamber
- Customer specific foil types (thickness $\geq 50\mu\text{m}$) and sizes up to 400mm x 400mm
- Minimal contact area (only 5mm at edge of the substrate / foil)
- No backside contamination during handling
- Fast and safe transfer of substrates / foils into the process chamber



Process Module

- Optimized process chamber design with symmetrical Exhaust
- Servomotor driven dispense arm
- Special spray nozzles for various media
- Media supply with pressure up to 5bar using dedicated pumps
- Heated recycling tanks for media with automatic filling
- Sophisticated chuck design for foils and flexible substrates with thickness $\geq 50\mu\text{m}$ and sizes up to 400mm x 400mm
- Controlled chuck vacuum
- Automated chuck cleaning function
- Safe holding of foils on chuck at high spin speeds (up to 4000rpm)
- Safety precautions
- Leakage detection

