systron GLASS TECHNOLOGIES

Vertical seaming and grinding machine



systron esX

3525 / 5027 / 6033

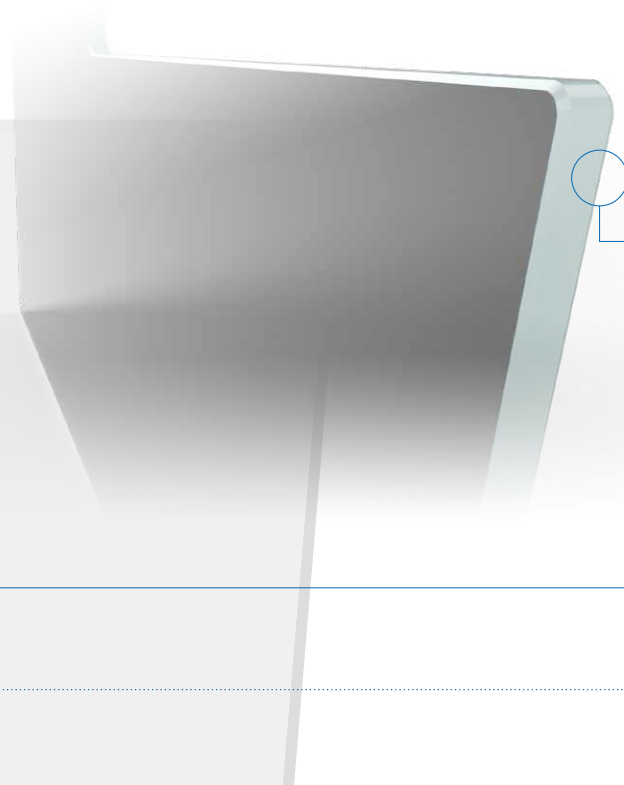
EN

The systron esX is a vertical glass seaming and grinding machine which follows the glass edge by a soft touch guidance system. Due to the rigid machine design, **machining of contours, inside and outside radii** can be performed with shortest cycle times. Patented systems are assuring the highest edge quality. The barrier-free design allows the operator an ergonomically optimal working position and easy access to all machine components.





Seaming and grinding can be performed without tool exchange



Glass thicknesses 4 - 19 mm without tool exchange

- Edge grinding and seaming
- Corner dubbing
- Automatic sheet measurement

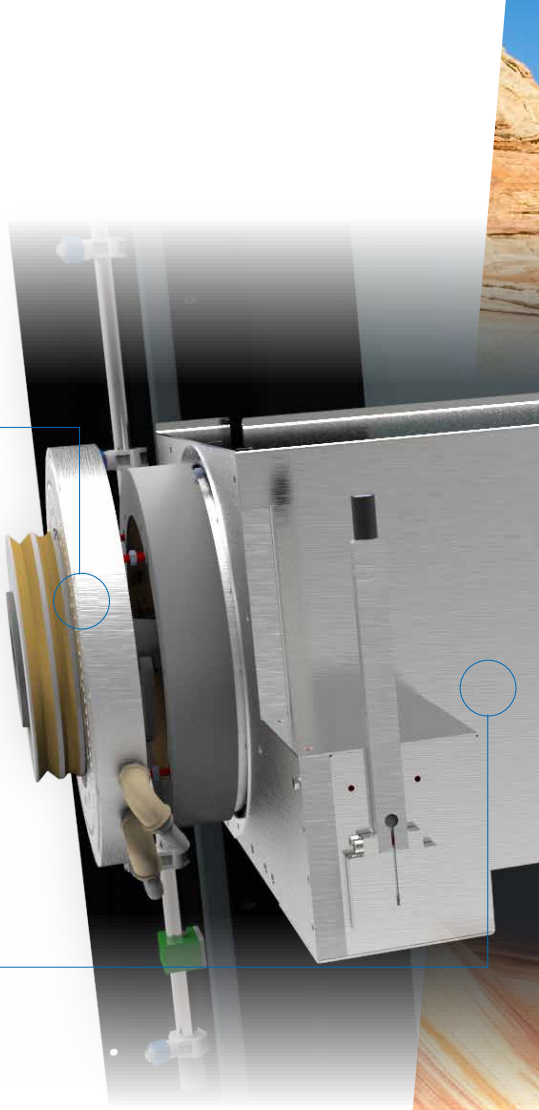
Highlights

- Glass thicknesses 4 - 19 mm without tool exchange
- Max. grinding speed 30 m/min.
- Corner dubbing at maximum seaming speed
- Edge grinding and seaming can be performed without tool exchange
- No mechanical touch during processing coated glass
- Automatic sheet measurment for rectangular panes
- Grinding head follows the glass contour also in case of unequal breakage
- Floating tool spindle
- Optional 1 or 2 grinding spindles

Features

Water cushion

- Patented process
- Follows the glass surface
- Cools the tool over the full circumference



Grinding spindle

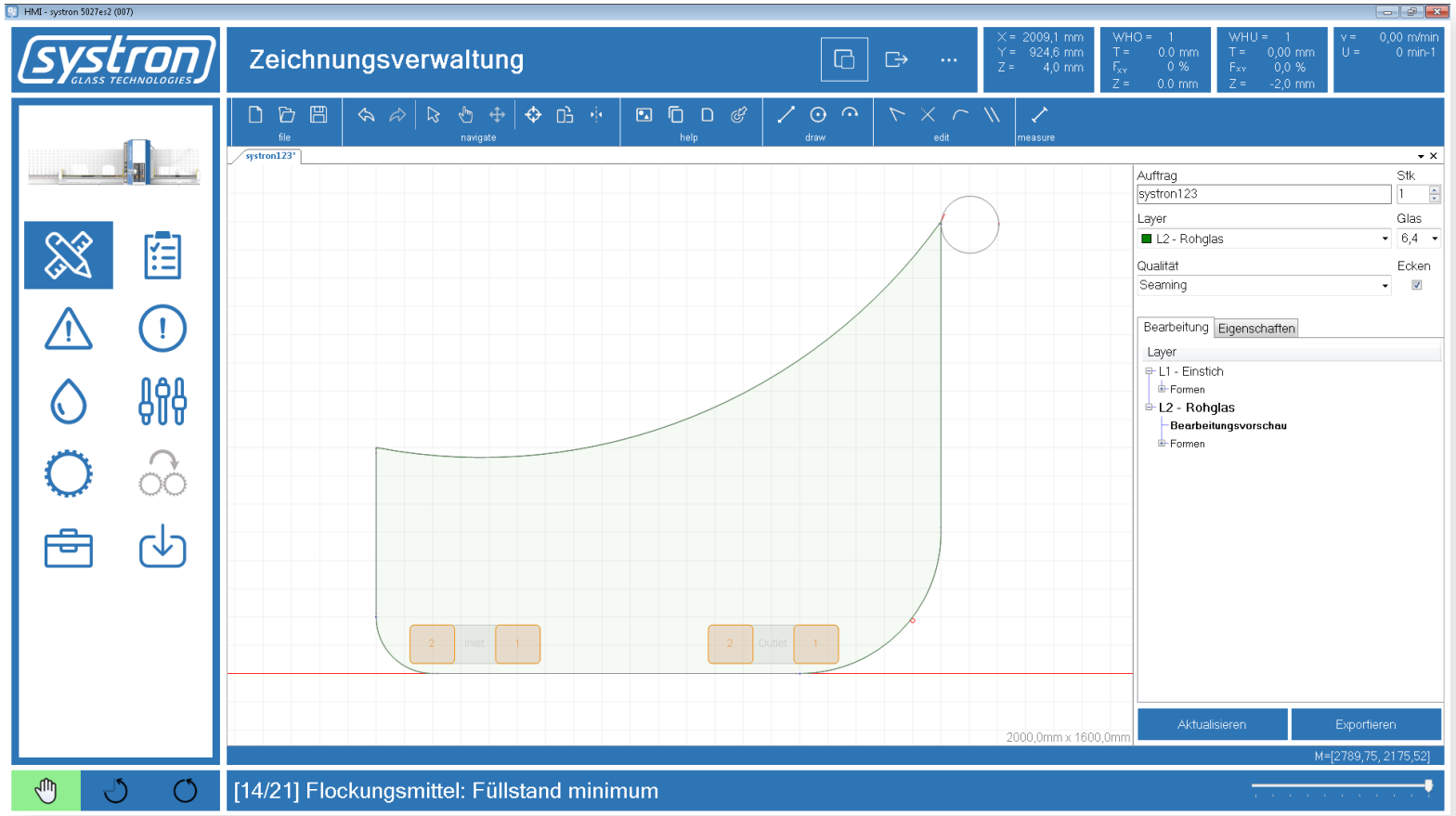
- 4 tools at each cone
- Grinding process with power reserve
- Follows the glass edge

TOP SPEED
BY PATENTED
TOOL
COOLING



- Tool package width up to 61 mm
- Various tool profiles possible
- Tool package for all glass thicknesses from 4 till 19 mm (optional 3-25mm)
- Flexible processing spindle is self-adapting to the grinding contour
- Torque control of the machining spindle
- Processing of complex shapes
- Tool diameter 200 mm

Machine control



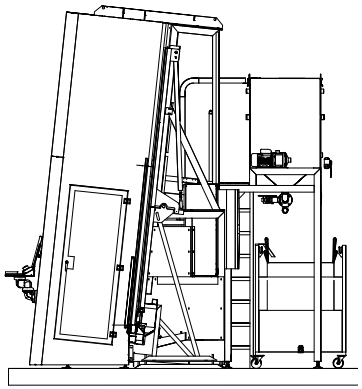
The intuitive machine software is clearly displayed on a 24" multi-touch panel.

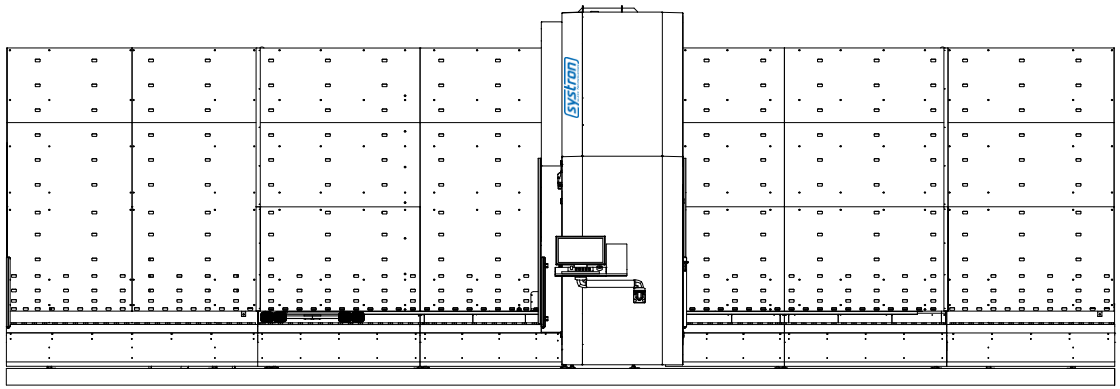
A new operating concept allows fast and graphical operation of the machine.

Technical data

		esX 3525	esX 5027	esX 6033
Overall technical data				
Max. sheet size	mm | inches	3500 x 2500 | 138 x 98	5000 x 2700 | 197 x 106	6000 x 3300 | 236 x 130
Min. sheet size	mm | inches	350 x 200 (180) | 13.8 x 8 (7)	350 x 200 (180) | 13.8 x 8 (7)	350 x 200 (180) | 13.8 x 8 (7)
Max. sheet weight	kg/m | lb/ft	250 | 168	250 | 168	250 | 168
Glass thickness	mm | inches	4 - 19 (3 - 25) | 0.15 - 0.7 (0.12-1)	4 - 19 (3 - 25) | 0.15 - 0.7 (0.12-1)	4 - 19 (3 - 25) | 0.15 - 0.7 (0.12-1)
Glass running height	mm | inches	520 | 9.8	520 | 9.8	520 | 9.8
Glass inclination	degree	6°	6°	6°
Max. grinding speed		30 m/min. | 98'/min.	30 m/min. | 98'/min.	30 m/min. | 98'/min.
Aut. central lubrication		☑	☑	☑
Additional processing head		○	○	○
Tool diameter		200 mm | 7.9"	200 mm | 7.9"	200 mm | 7.9"
Dimensions				
Machine lenght	mm | inches	8245 | 325	11290 | 444	13193 | 519
Machine height	mm | inches	3920 | 154	4121 | 162	4718 | 186

☑ Standard ○ Option







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