



*Vertical edge processing*

- *grinding of outer contours*
- *polishing of outer contours*



***sys tron pro***

*3525 / 5027 / 6033*

systron pro is a vertical CNC processing and grinding centre for contours specially on the outside. Grinding and polishing of contours can be done with the highest precision and short lead time due to the solid construction and use of our patented systems. A barrier-free design allows the operator an ergonomically optimal working position and easy access to all machine components.

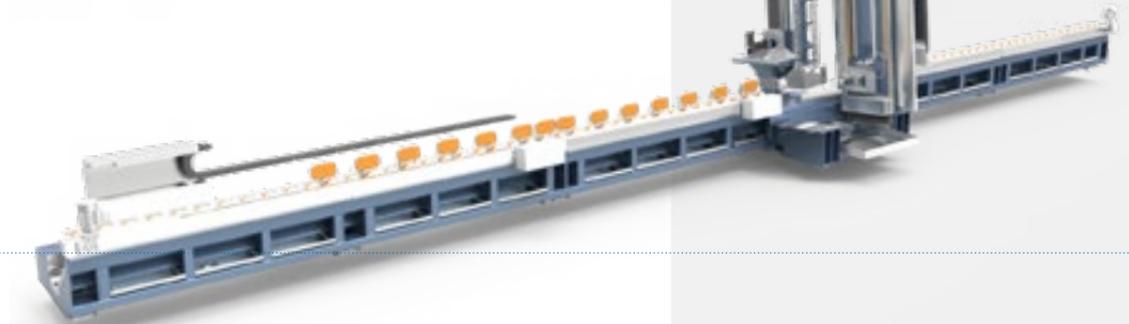
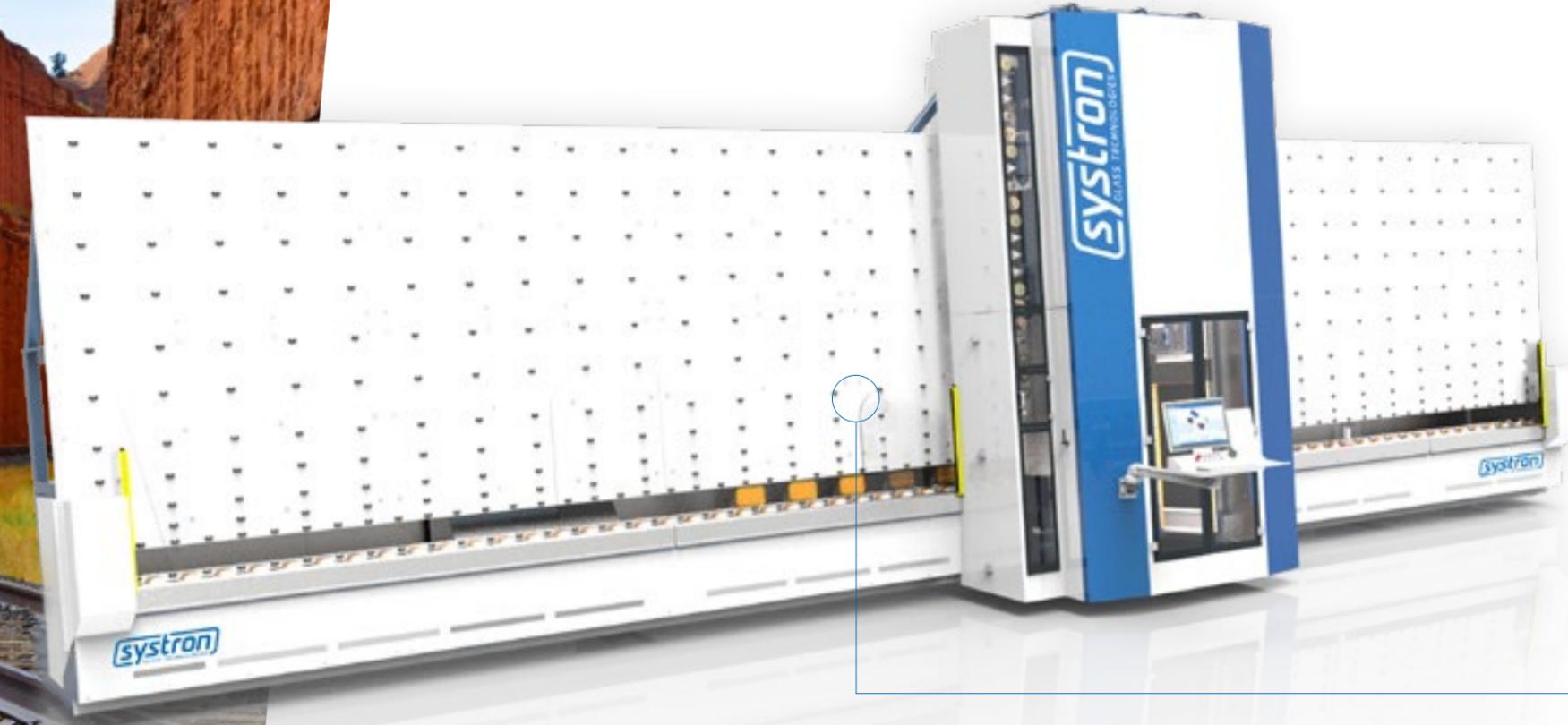
# Vertical glass-processing in perfection!

## systron sets new standards

- + In one process to the finished product
- + Minimal machining tolerances, max. +/- 0.2 mm on the entire product size
- + No machining restrictions on contours and special shapes
- + No set-up times between different glass thicknesses and types
- + Very rigid, vibration-free construction allows highest processing quality also at oblique edges or radii

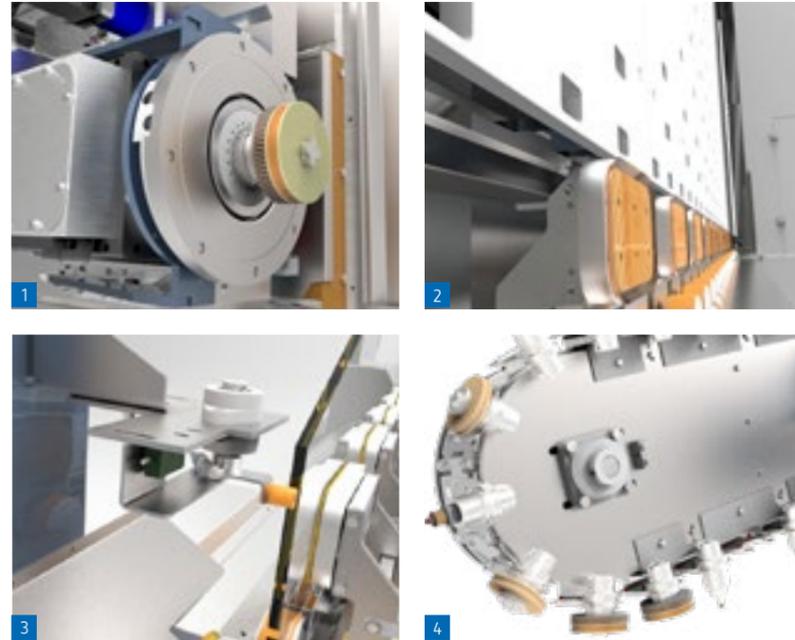
HIGHEST PRECISION

- grinding of outer contours
- polishing of outer contours
- EXACT DIMENSIONS GUARANTEED



## Highlights

- + Constant polishing quality by precisely controlled polishing pressure
- + vibration-free machining prevents chipping
- + arris parallelism guaranteed by patented water-cushion guidance
- + high pressure tool cooling over the entire tool circumference
- + automatic positioning of the glass sheets, also for special shapes
- + continuously protected suction cups
- + no mechanical contact at machining coated glass surfaces
- + intuitive graphical machine interface enables easy operation of the system



1. High performance spindle
2. Transport system, by means of suction cups
3. Automatic glass measurement
4. 50-fold tool exchanger

## Processing spindle

Optimal grinding and polishing image

- + 2 tools per tool holder
- + with ample power reserves for all kinds of processing

## Water cushion

- + patented process
- + follows the glass surface

## Massive vibration-free machine construction

A **massive machine base frame** and high-resolution servo axes are the basis for a **very high-quality machining and polishing quality**, which is guaranteed even after years of shift production. The **integrated, modular design of the machine bed** enables adaptation of the system for all production needs



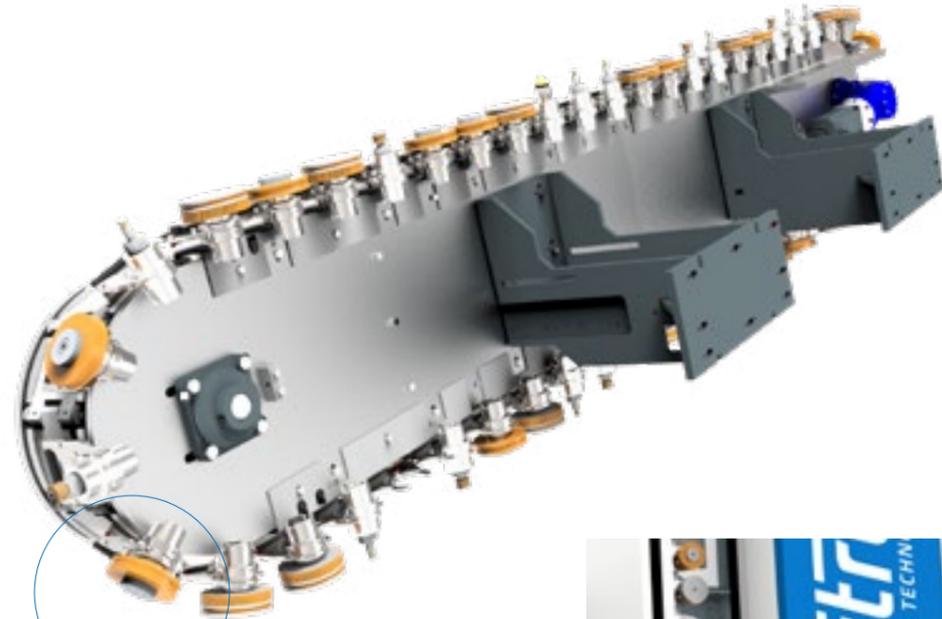
## Highlights

### Chain magazine for 50 tool holders - up to 100 tools

Tool exchange times  
**below 7 seconds**

Storage of the tools  
**outside the wet area**

**clear view** at the tool magazine  
due to a glass front



<100>

Up to 100 tools



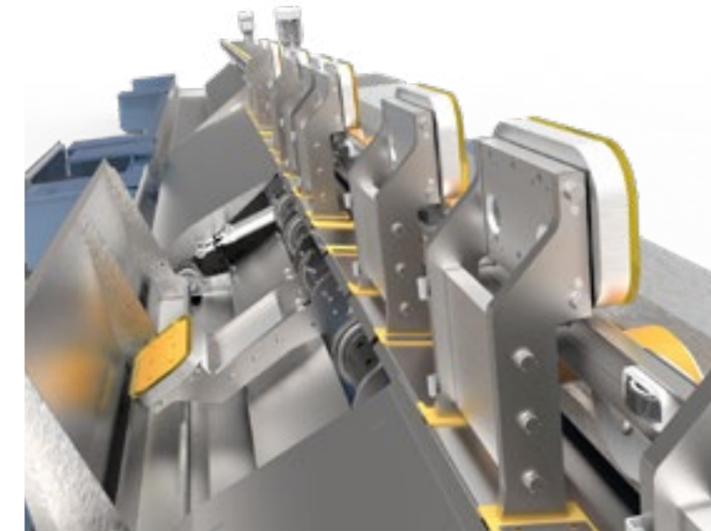
### Processing cabin

An optimal observation of the machining processes  
given by the spacious and easy-to-view processing  
cabin.



### Clamping beam equipped with suction cups

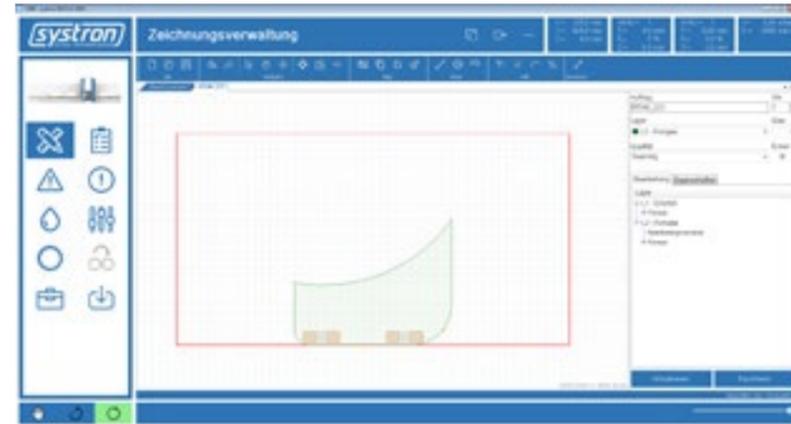
The X-axis is equipped with integrated tiltable suction  
cups. Only the required ones will be tilted out of the  
protected area.



## Control & Software

### CAD-Software

The shape catalogue integrated in the CAD-Program allows you to quickly create production drawings, complex shapes can be transferred directly via DXF import. In order to better control the position of the vacuum cups and the orbits of the individual processing steps, those are displayed in advance.



### Machine control system

The intuitive machine software is clearly displayed on a multi-touch panel. A new operating concept allows fast and accurate axis positioning in manual mode. Example tool data: After entering the data of the tool holder, the build-up of the tool cone will be displayed graphically. The associated adjustment parameters are displayed clearly in one screen.

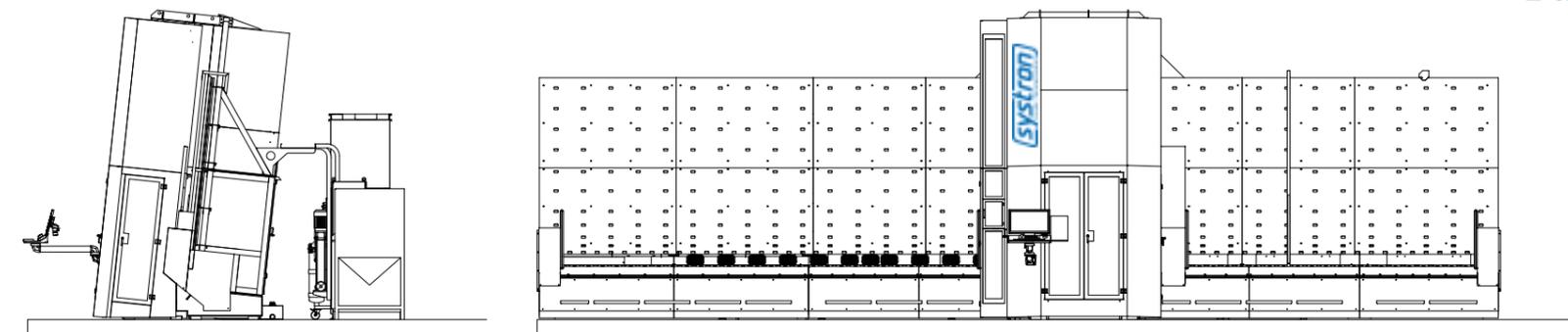
### Technical data

		pro 3525	pro 5027	pro 6033
<b>general technical data</b>				
max. glass size	mm	3500 x 2500	5000 x 2700	6000 x 3300
min. glass size	mm	600 x 200	600 x 200	600 x 200
max. sheet weight	kg/m	250	250	250
glass thickness	mm	3 – 25	3 – 25	3 – 25
glass transport height	mm	760	760	760
sheet inclination	degrees	6°	6°	6°
max. grinding speed	m/min.	25	25	25
automatic central lubrication		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
automatic tool measurement		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
automatic tool dressing device		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
automatic profiling device for polishing wheels		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### dimensions

machine length	mm	10625	13820	15915
machine height	mm	4290	4490	5090

standard  option





**systron**  
GLASS TECHNOLOGIES

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