



*Vertical glass cutting with
integrated waterjet technology*

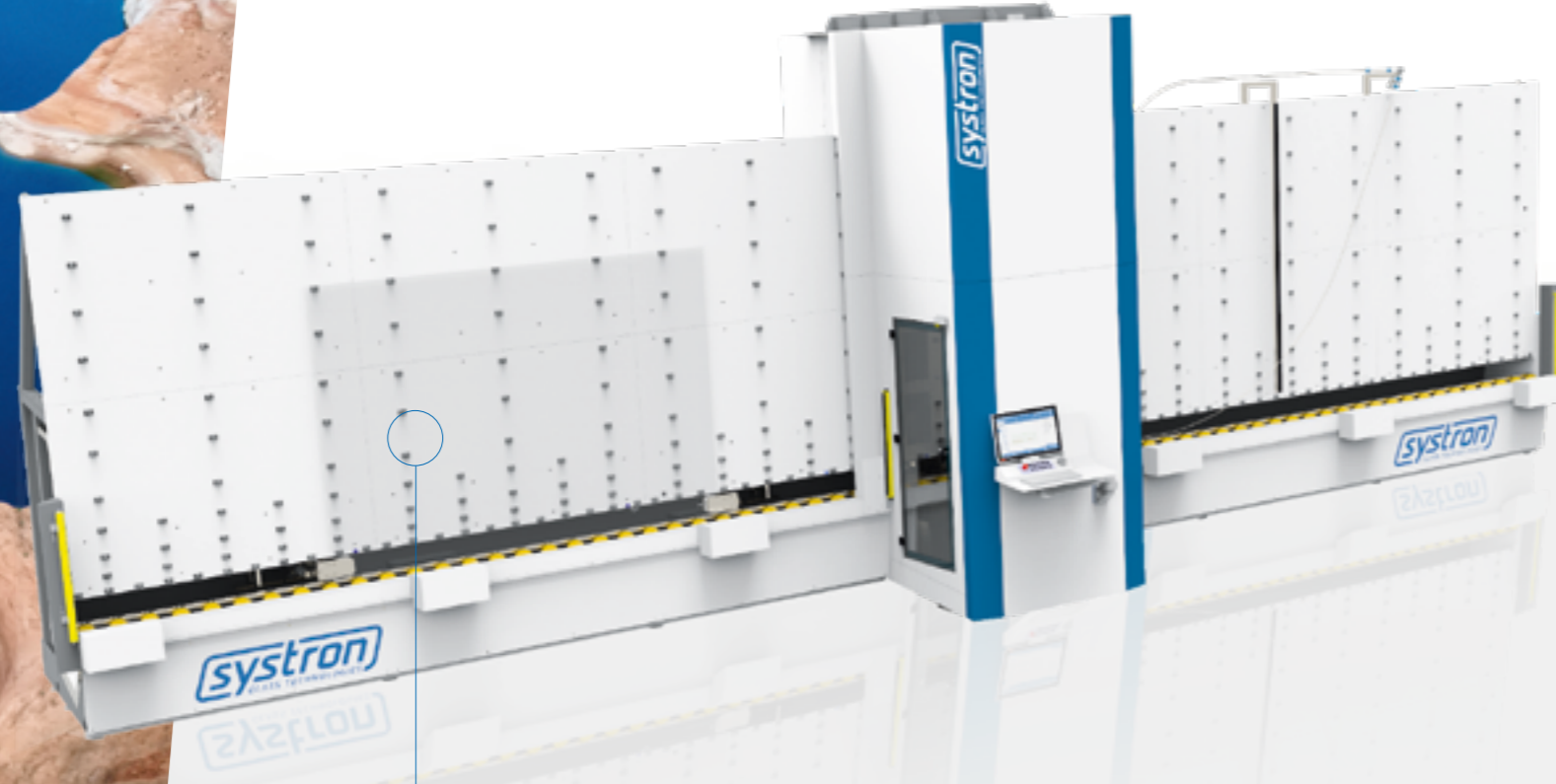


systron HD

3525 / 5027 / 6033



The systron HD is a vertical glass processing machine, for cutouts and interior contours, with integrated high-pressure water jet technology. Due to the solid construction and our patented systems edge cut-outs, holes and internal workings are completed quickly and precisely. The barrier-free construction allows the operator an ergonomically optimal working position as well as a easy access to all machine components.



Precision & speed for internal machining



- Holes and cutouts using patented high pressure technology
- Bilateral counter-sinking using Helix method
- No limitation on contours and special shapes

Systron introduces new standards

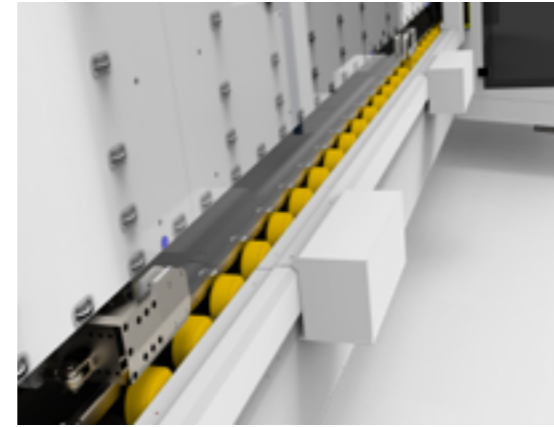
- + High quality waterjet cut contours
- + Reduction of production time up to 50%
- + Waterjet up to 4000 bar
- + very rigid, vibration-free construction allows highest processing quality also at oblique edges of radii



Highlights

Process-optimized positioning system for in- and outfeed

- + A shared transport system ensures a continuous production flow.
- + Throughput is maximised by minimal machine idle times!



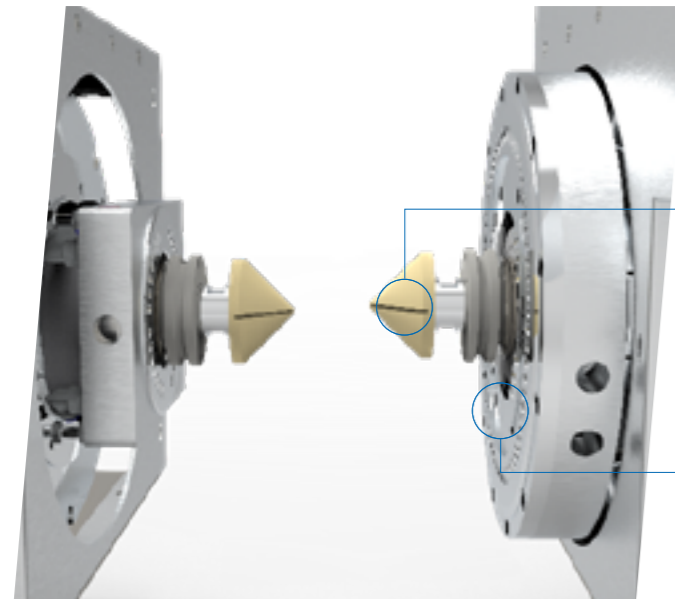
The machining head includes

Front and rear heavy-duty spindles for precise internal machining

The counter-sinking of large cutouts is done by helix method without time-consuming tool changes.

Water cushion

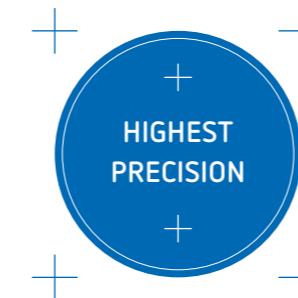
Our patented process fixes the glass without any mechanical contact and optimally cools the tool at its full circumference.



Patented waterjet cutting technology



An up to 4000 bar strong water jet allows extreme fast cutting of all inner- and outer contours with even complex geometries with highest precision.



Patented waterjet cutting technology

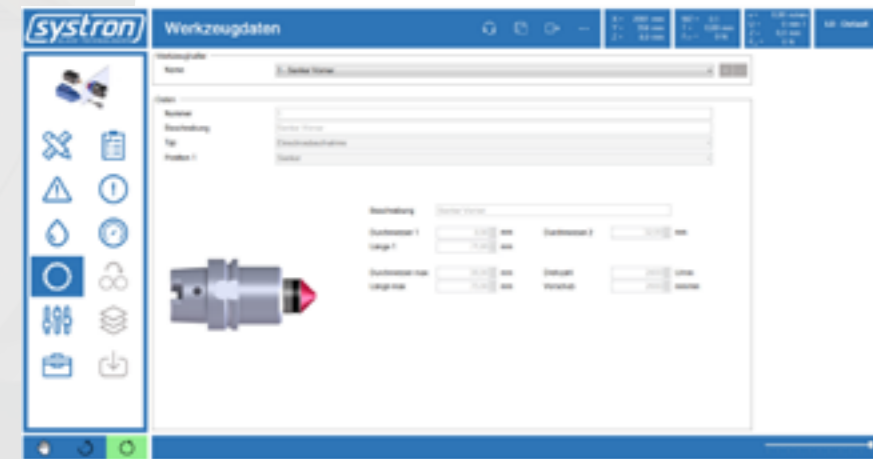
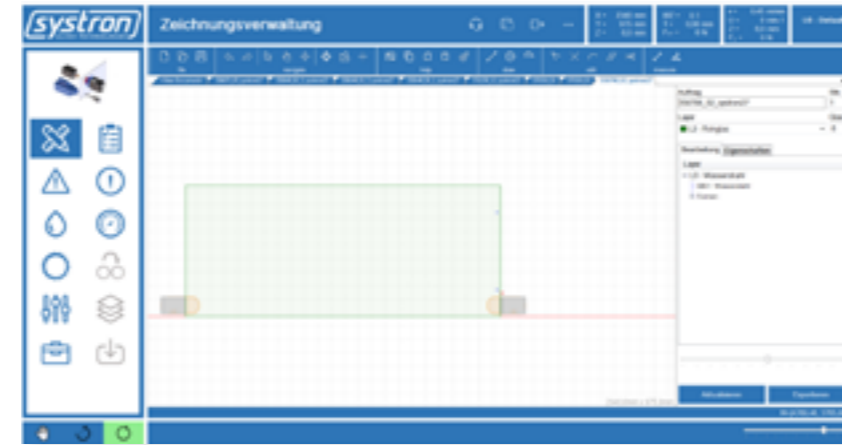
The waterjet technology enables shortest cycle times. High quality waterjet cut contours can be toughened without post-processing. A reduction of production time up to 50% is possible.



Control & Software

CAD-Software

Integrated CAD program including shape catalogue allows **quick creation of 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**.

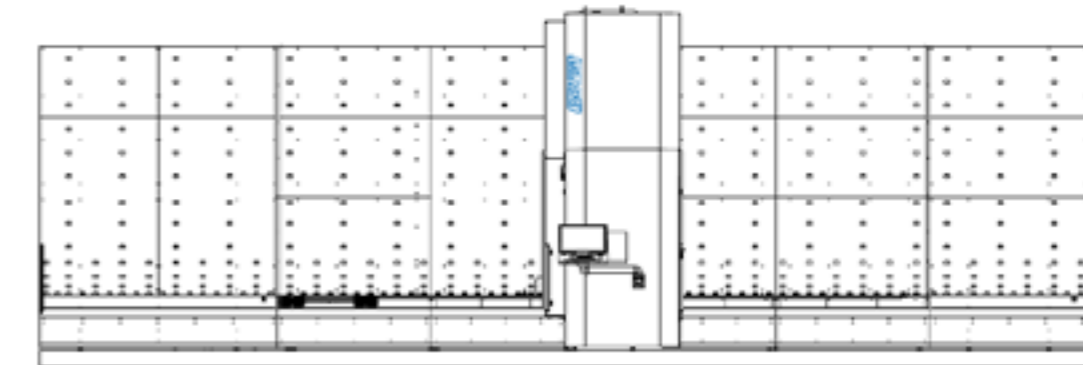
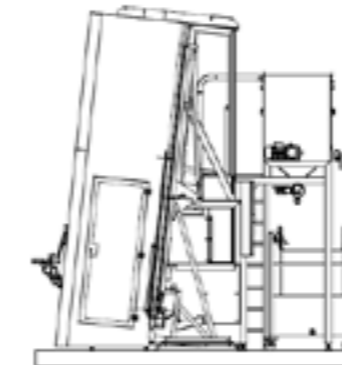


Machine control system

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 with the associated adjustment parameters **clearly in one screen**.

Technical data

		HD 3525	HD 5027	HD 6033
General technical data				
max. glass size	mm	3500 x 2500	5000 x 2700	6000 x 3300
min. glass size	mm	500 x 200	500 x 200	500 x 200
max. sheet weight	kg/m	250	250	250
glass thickness	mm	4 – 19	4 – 19	4 – 19
glass transport height	mm	760	760	760
sheet inclination	degrees	6°	6°	6°
running direction		○	○	○
automatic central lubrication		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
tool diameter max.	mm	100	100	100
Dimensions				
machine length	mm	10890	13890	15890
machine height	mm	4240	4440	5040



standard ○ option



systron
GLASS TECHNOLOGIES

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