CMS - still customizing solutions to individual client needs

Today, thanks to over 50 years' experience within the industry, CMS Glass Technology continues to develop solutions that will respond competently to the unmet needs of its clients. Some examples follow below:

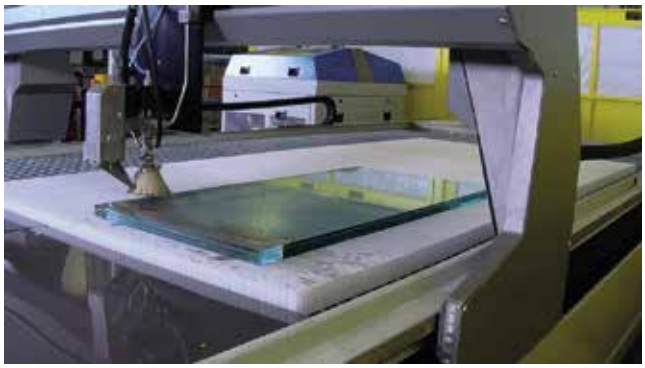
CMS SMARTLINE: WATERJET CUTTING SYSTEM FOR SAFETY GLASS PROCESSING

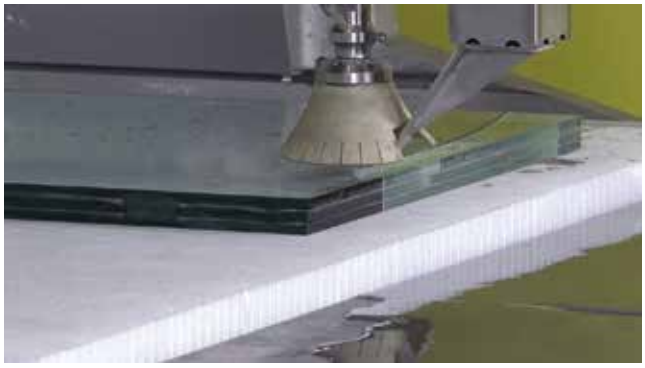
Cutting thick safety glass while optimizing on cycle times can be quite a feat, especially when the glass is thicker than 19 mm and has a curved shape. Indeed for its notable cost-effectiveness, the company's specifically-developed Smartline, a waterjet cutting system -available in both 3 and 5-axis configurations- stands out as the ideal solution for safety glass processing.

Here, exclusive benefits include:

- Up to 33 percent faster cutting cycle times with 50 m/min rapid speed and 3 m/s^2 acceleration - impressive within its category;
- +/- 0.07 mm positioning accuracy;

When it comes to creating glass of unusual shape or thickness with a professionalism that remains uncompromising on both quality and productivity, CMS continues to closely flank its customers 'through thick and thin' - whatever challenges they face.





- +/- 0.05 mm repeatability;
- Excellent price/performance ratio.

With a minimum allowance of 0.5 mm, the machine can process up to 4 m x 2 m glass sheets by cutting them with water and abrasive at 185 mm/min whilst ensuring consistent quality standards. But there's more. Setting an optimum standard within its category, the cutting head will reach a whopping 50 m/min of speed, with acceleration at 3m/s2.

CMS Smartline offers a sturdy and compact frame, integrating linear guides and a class H5 rack-and-pinion movement system on the tank that's capable of withstanding high speeds and acceleration - all at no sacrifice to either cutting accuracy or repeatability.

Durability and reliability of the kinematic components over time are ensured by NC-managed automatic lubrication.

A system of thermo-welded techno-polymer bellows protects the guides from water and abrasive erosion during cutting, while protection of the bridge is ensured by a sheet metal labyrinth that offers greater resistance to direct reverberation action.

CMS MAXIMA: 5-AXIS CNC MACHINING CENTER FOR CURVED GLASS

The Nautical industry is continually evolving, with yachts that demand ever more complex shapes. As such, each piece of glass requires manufacturing that can ensure it will fit perfectly within a frame thanks to parts production that can guarantee extremely tight tolerances. Glass size varies from the specifications required by several millimeters during the bending process. This necessitates the logical solution of only machining this glass once it's been bent. Here, with its Maxima CNC machining center, CMS Glass Technology comes as a prominent industry player in machining bent glass - for which top buyer benefits include:

- 23 percent time-saving with assisted positioning of the suction cups;
- no vibrations thanks to rigidity of the rotating axes;
- +/- 0.05mm tolerance on the profile.

Given its assisted-positioning system, the Maxima will show operators where on the table to station the suction cups while giving the correct positioning angle to accommodate the bent glass part. Then once the glass has been positioned, a dynamic measuring system is used to probe the surface and adjust the program geometry to match the actual bent part, thus allowing for consistent grinding and polishing of the edge around the entire perimeter.

Here the technical specifications include:

- Z axis of up to 1.400 mm at full speed
- 40 HP electro-spindle for the most demanding machining
- Full visibility of the work area

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