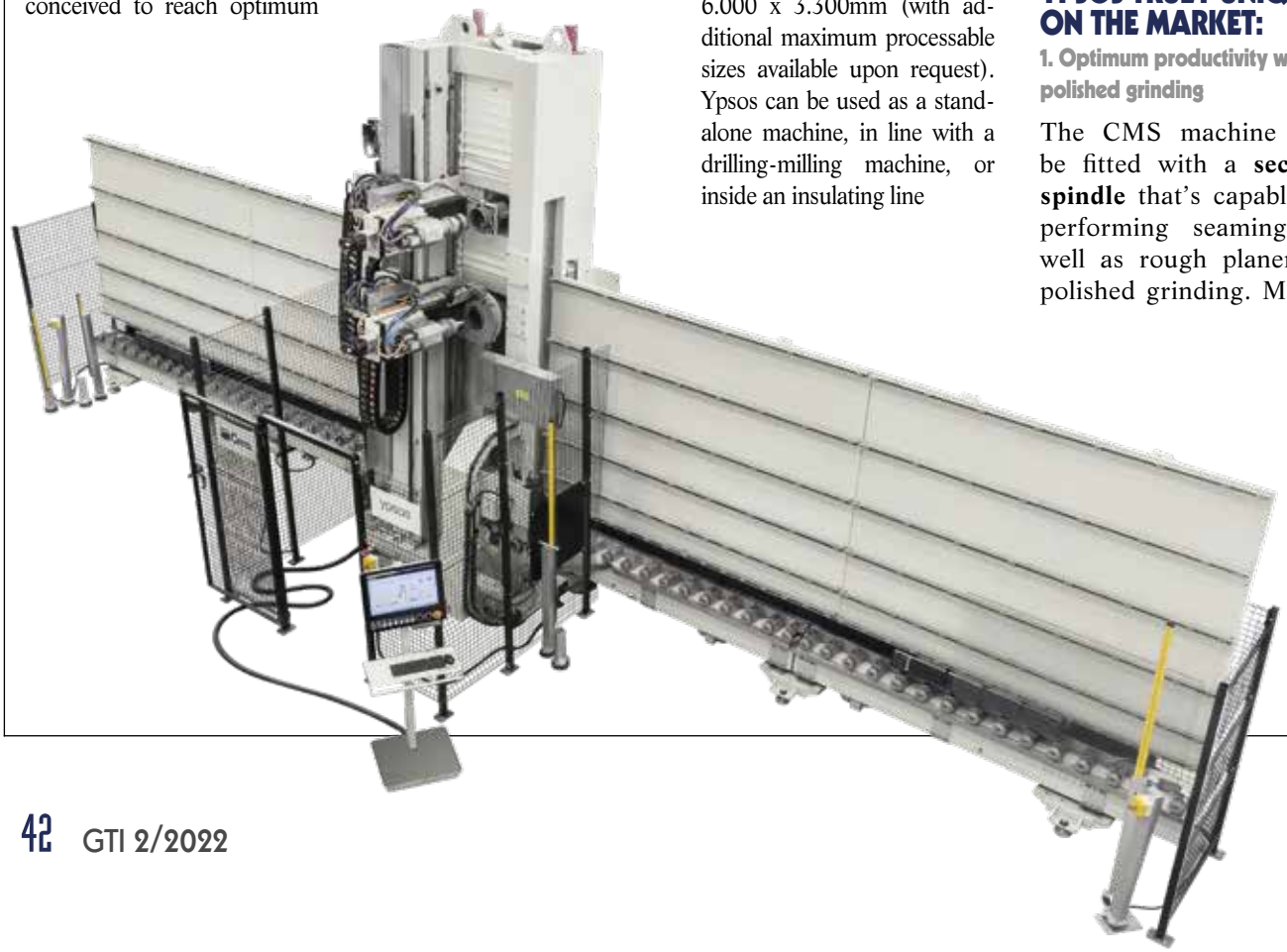
CMS Ypsos: 5 reasons why it's a unique machine on the market

Ypsos is the newest vertical machining centre developed by CMS. It's ideal for float and laminated glass sheets processing - owing its design entirely to decades of experience in the glass industry. As vertical CNC machining centre, Ypsos comes as a true pioneer in grinding and polishing with two heads at the same time - which is no wonder: the project was conceived to reach optimum reliability within the vertical CNC category. According to whichever configuration gets selected, Ypsos can perform seaming, polishing and industrial grinding, milling and coaxial drilling operations. Not only. It provides superb accuracy and quality accompanied by every classic benefit of productivity and versatility that's typical of the vertical machining process. Available in three standard sizes, the machine allows for the processing of small and large-sized parts of up to 6.000 x 3.300mm (with additional maximum processable sizes available upon request). Ypsos can be used as a standalone machine, in line with a drilling-milling machine, or inside an insulating line



HERE ARE FIVE WINNING FEATURES THAT MAKE CMS YPSOS TRULY UNIQUE ON THE MARKET:

1. Optimum productivity with polished grinding

The CMS machine can be fitted with a **second spindle** that's capable of performing seaming as well as rough planer or polished grinding. More-

Following 50 years of industry experience and the desire to achieve the highest ever reliability in the vertical CNC category for glass processing, CMS GLASS TECHNOLOGY recently developed Ypsos.

over, its second head will allow for automatic tool changes in the presence of at least one rotating tool magazine.

2. Easy CNC use

New software has been designed to **maximize efficiency of a numerical control and user interface,** resulting in fewer worries for designers and workers. Once fitted, the CMS Ypsos will search for the right tool. Otherwise, the machine informs the operators if the tool has not been loaded or has an insufficient lifespan.

3. Advanced machine intelligence

The dressing option monitors processed meters constantly as well as the holes made in order to automatically control the best dressing cycle start time.

4. Automated identification of 3 glass sizes as well as off-size measurement

Upon rectangular and square sheets (up to a maximum of ± 5 mm), the system automatically detects errors in the straightness of the sides, thereby modifying the processing. Its design process is completely renewed and equipped with an exact spiral cog gearbox that's specially positioned to ensure protection against the processing water.

5. Facilitated drilling on any part of the plate

The rear drill (cms-patented system) allows for drilling in front of the suction cup carriage. Also, the drill will support drill bit use to a diameter up to 50 mm, together with a cooling system that's directly integrated within the sheet contrasting presser.

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