



*inspired by
craftsmanship*

Versa Max

Benchtop CNC boring and milling machine
for window and door manufacturers



Versa Max

The machine is equipped with a main working spindle with $-10^{\circ}+90^{\circ}$ tilting. A linear toolchanger with 5 positions is used for automatic tool changing. The vertical drilling unit has three independent spindles for drills up to 25 mm diameter.

The machine allows you to drill holes for dowel connection or mortise slots. The lateral drilling unit, 3-axis NC controlled by servomotors, allows drilling in any schema and mortising slots for tenons. Additionally, you can do door lock pocket milling, hinge seats, bevelled curtains mortises, and front rounding of tenons.



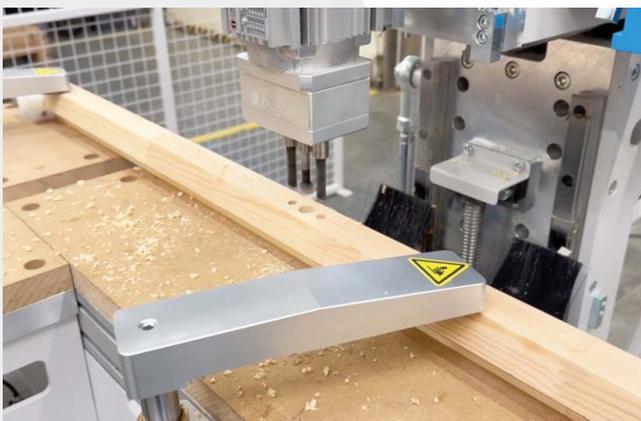
The [Versa Max](#) can optionally be supplied with a vacuum pump for fixing parts such as panel doors. We can add support tables for cross-machining long parts. Four adjustable pneumatic clamps clamp the part and allow machining along its entire length. We adjust the position of the part using pneumatic pins. The worktable is made of an MDF board, where we can attach templates for special operations, such as milling for pulleys in sliding sash boxes.



Versa Max



Main working units, tilting milling unit $-10^{\circ}+90^{\circ}$

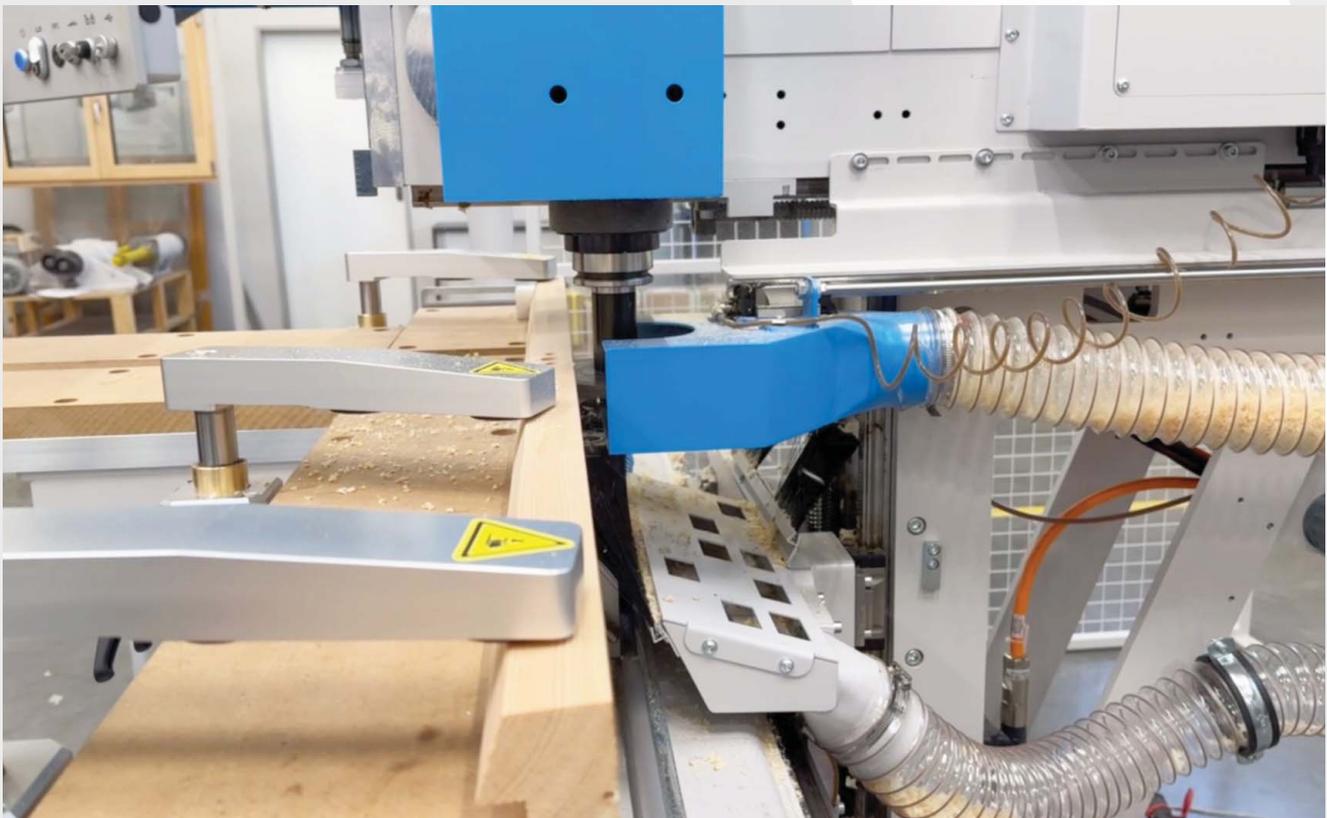


The vertical drilling unit



Angle drilling

- Main working unit with 5,6 kW; 0 ÷ 24000 RPM, motor with inclination -10°+90°
- HSK 63F for automatic tool changer
- Drilling unit 1,7 kW with 3 spindles
- Length of machined pieces 2800 mm, max. thickness 100 mm



Extraction cover for disc tool - optional



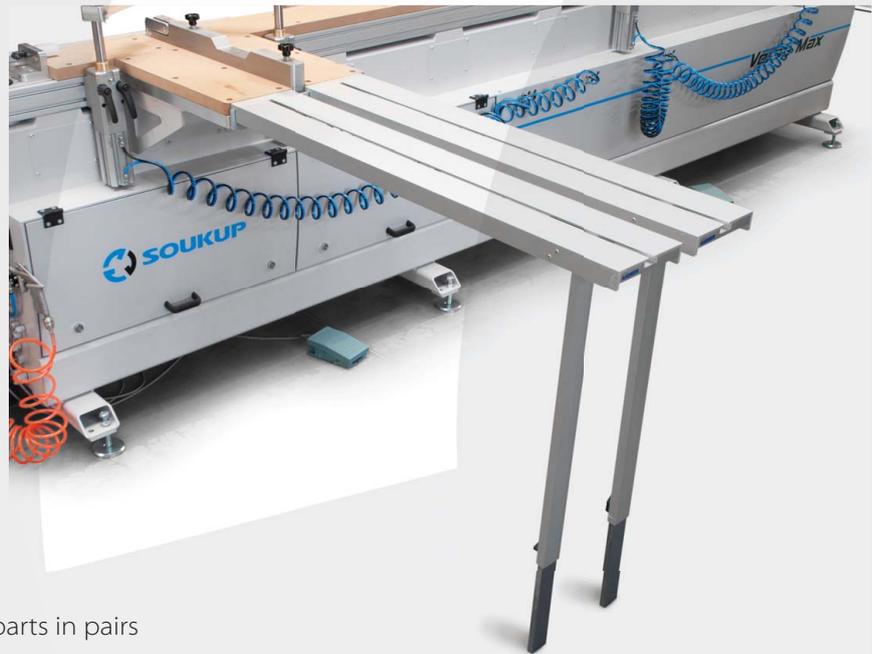
A linear toolchanger with 5 positions



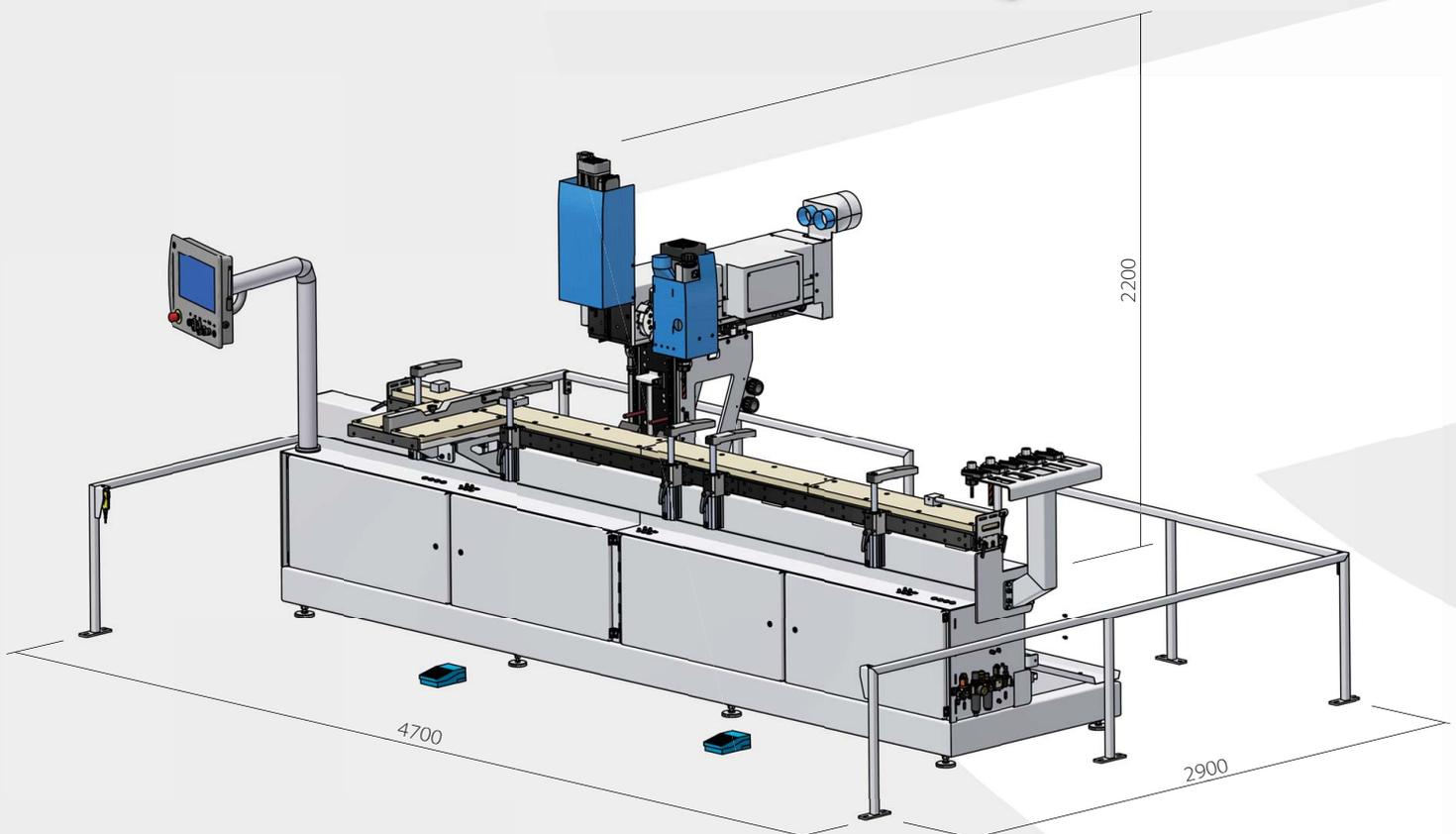
Automatic tool changing

Versa Max

Intuitive control of the machine works with data from the [WinCreator](#) or third-party software where all macros are defined. Construction joints, hinges, handle positions are derived from the dimensions and design of windows. Another possibility is a direct insertion of macro on the element and creating templates that are stored in the library for future use.



Cross tables for face machining of parts in pairs



Control panel with touchscreen 15.6"



Examples of processing

The machine is designed for standard operations in window and door manufacturing but the machine can be modified for customer-specific solutions using various accessories.

Mortised slots with rounded tenons



Head and longitudinal drilling for dowel connection



Drilled window hinges



Door 3D and butt hinges



Holes for window handle, mortised for door lock cases, bevelled slots for louvres





SOUKUP, established in 1991 based in the Czech Republic, has always been in tune with its customers' requirements. The primary reason we started to build our own machines was that we were unable to find any machine on the market which could fully match the carpenter's way of thinking and doing things.

By taking a more in-depth look at our projects, you will see that there are many original approaches and solutions to various technical tasks all based on our extensive practical experience of producing woodworking machines.

We do not want our customers to simply be able to use the machines; more importantly, we want them to feel naturally involved as part of the overall process. We believe that the correct technological choices and subsequent implementation in conjunction with the needs of our customers are key factors in the success of their future production. We will be pleased to share our knowledge and experience with you.



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