

I N F O

PRIMUS

CNC-technology at its best

Handy and compact

In its basic design the CNC-machining centre PRIMUS is a 3-axes wood machining centre with a 13-spindle drilling unit. Here, Reichenbacher Hamuel has succeeded in meeting also the requirements of smaller businesses by offering a serial machine at an economic price. Nonetheless, in practical use the machine will prove that the customers won't have to renounce to the usual quality they are accustomed to at Reichenbacher Hamuel.

Most needs are covered by the two table designs, namely grooved table and console table. This series will in particular be used for interior fittings and in processing corpus parts, furniture fronts, room doors or plastic parts. Moreover, pneumatically extendable supports and stops are available to facilitate the loading and alignment of semi-finished products on the table.

The encased C-cantilever with safety bumper (no pressure sensitive mats required) is in welded design. The X- and Z-axes are driven via ball screws, also in connection with highly dynamic and maintenance-free servo drives. This ensures, apart from high travelling speeds, an exact positioning.

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T E C H N I C A L D A T A

Configuration example:

4-axes working unit

Power: 10.0 (S1) / 12.0 kW (S6)
 Speed: 1,000 to 24,000 rpm
 Tool interface: HSK-F63

Multi-spindle drilling unit with groove saw

Power: 2.2 kW
 Speed: 3,200 rpm
 13 drilling spindles in L-form: 10 vertical drilling spindles + 3 horizontal drilling spindles
 1 spindle for saw Ø 120 mm, attached in X-direction

Tool changer

Plate changer with 14 places (moving along in the X-axis)
 2 pick-up stations for additional units

NC-axes

Linear axes: X = 3,100 mm Y = 1,450 mm Z = 250 mm
 Axes of rotation: C = + 360°
 Axes speeds: In X- and Y-axis 70 m/min, in Z-axis 35 m/min

Machine table

Design: Beam table with 6 manually adjustable consoles
 Working area: 2,800 mm x 1,100 mm, table partitioned into 2 clamping stations
 Accessories: Extendable stops, supports, vacuum clamps, vacuum pump 100 m³/h, lock case cutting unit, 1 license NC HOPS with work centre

Control system

Type: Siemens Sinumerik 840D sl

Safety equipment

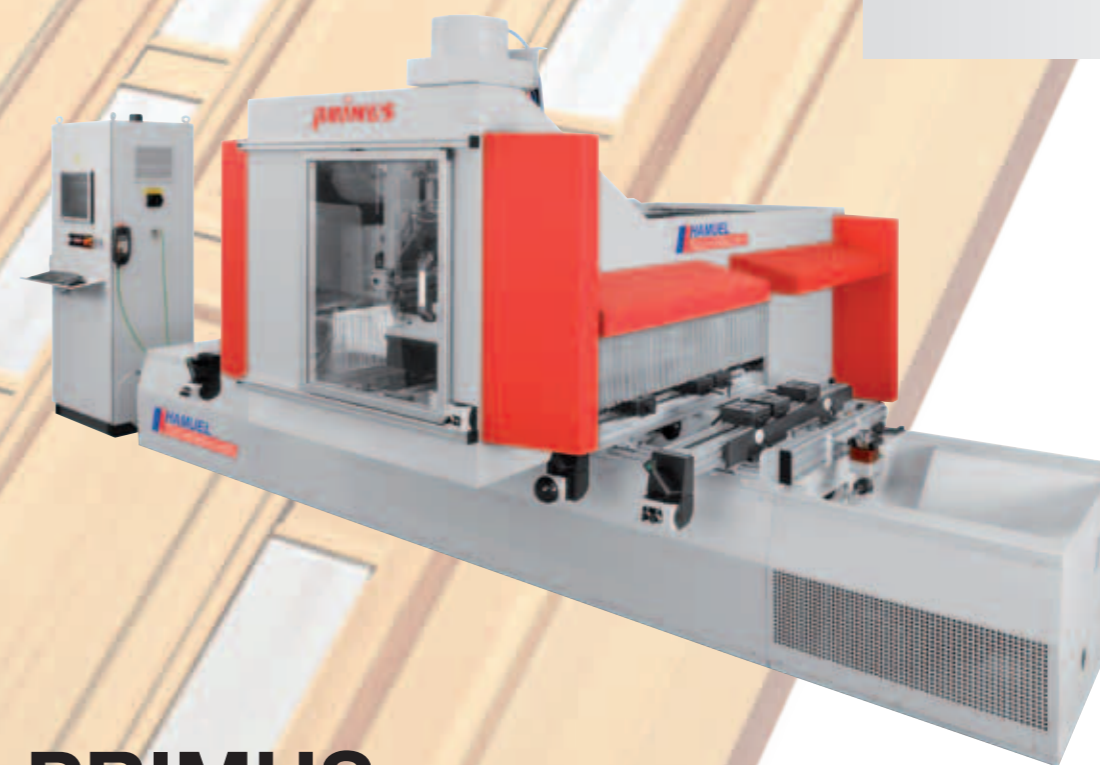
Safety bumper

Supplementary equipment available on demand.

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Universal machine for a small budget



PRIMUS, the best for the craftsman

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Equipment



Displacement

- X-axis: 3,100 mm (longitudinal displacement)
- Y-axis: 1,450 mm (transversal displacement)
- Z-axis: 250 mm (vertical displacement)
- Passage between top edge of table and bottom edge of portal about 250 mm

Table configuration



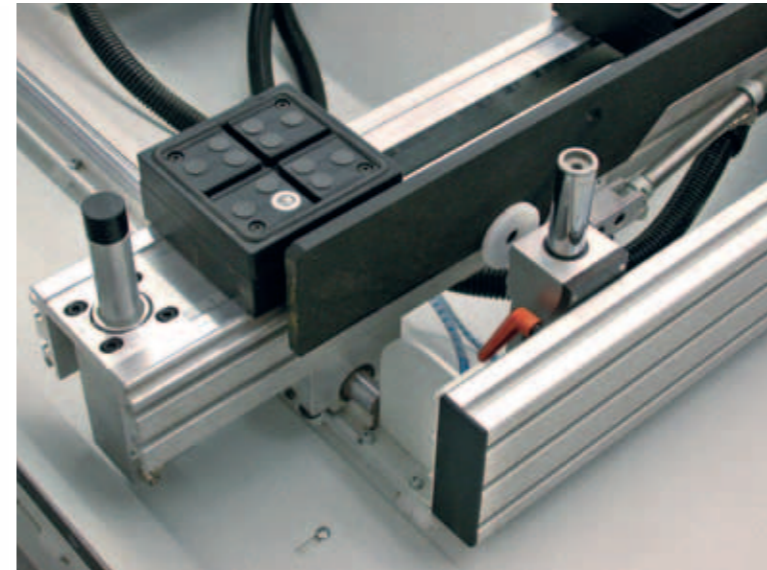
Machine tables

- Grooved or beam table with 4 to 6 manually adjustable consoles
- 2,800 mm x 1,100 mm x 150 mm (maximum component dimensions)
- Table partitioned into 2 clamping stations for fixing the components



Units

- 3-axes machining unit with a power of 10.0 kW
- Drilling unit with 13 individually controlled drilling spindles in L-shape arrangement
- Integrated groove saw



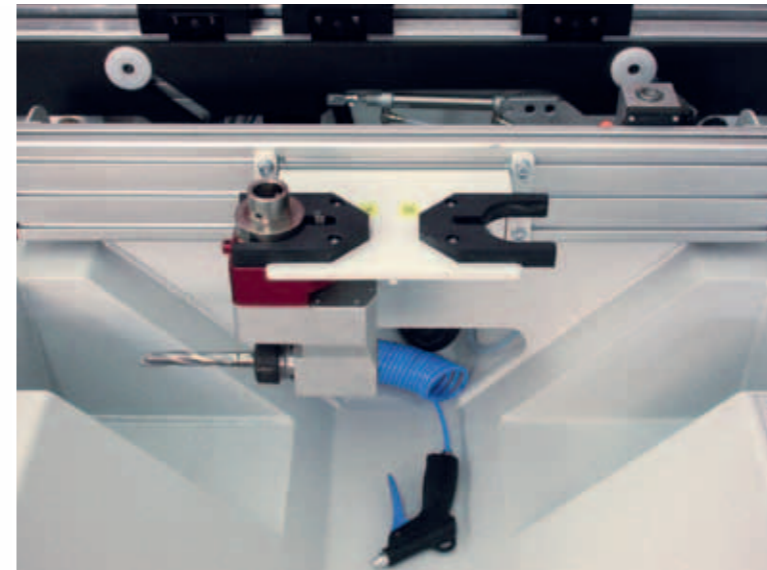
Accessories

- Vacuum clamps, stops and supports can be fixed to the beam
- Vacuum pump 100 m³/h
- Lock case cutting unit



Tool changer

- Automatic plate magazine with 14 places
- Distance between individual tool places 112 mm
- Tool diameter Ø 150 mm maximum
- Tool length 165 mm maximum between bottom edge of spindle and top edge of table



Pick-up

- Pick-up station with 2 places for additional units
- Mounted at the fixed stop carrier of station 2