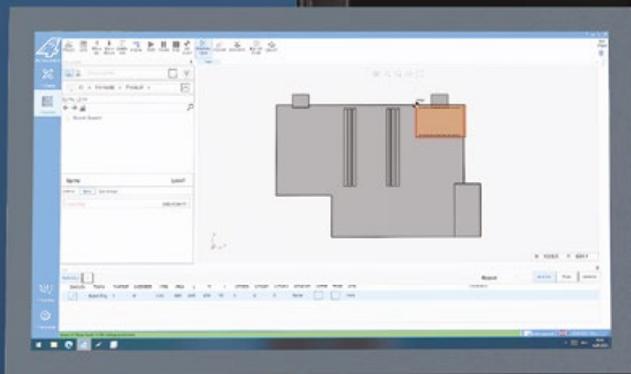


FORMAT 4[®]

creator 1250

THE POWER OF CNC
IN A SMALL SPACE



FORMAT 4[®]



The power of CNC in a small space



creator 1250

- » All inclusive: 4 sided formatting as standard
- » Get started straight away: maximum productivity without set-up times
- » **F4®Solutions**^{ready}
- » Dowel aggregate in X axis

The creator 1250 from Format4 combines maximum performance with minimum space requirements, offering everything that modern furniture and interior designers need: a high-performance main spindle with up to 12 kW, versatile drill heads and an automatic tool changer for fast changeover times.

Thanks to the intuitive F4Integrate control system with 3D visualisation, operation is simple and efficient – ideal for series production and individual items. Workpieces up to 6 m in length, 1250 mm in width and 80 mm in thickness can be machined precisely and safely. The horizontal transport of workpieces ensures gentle and ergonomic working conditions.

With options such as roller extensions and axis extensions, the creator 1250 can be flexibly expanded and grows with your requirements. Intelligent clamping systems, clean extraction technology and robust construction ensure maximum reliability.

The creator 1250 is the compact, complete CNC solution for workshops that value precision, efficiency and future security – all with minimal space requirements.

FORMAT4 Premium Machines for Premium Requirements

- » Customer specific optimised production solutions
- » Solid design with premium components
- » Wide range of configuration packages with high-tech solutions
- » Complete engineering precision
- » Premium user comfort
- » Award winning design
- » Quality and precision from AUSTRIA
- » Uncompromising productivity
- » Perfect service package before, during and after the purchase
- » Automation solutions
- » Networked workshop
- » Machines and software from one supplier
- » Tailor made financing solutions

The most important highlights at a glance



X-axis 3600 mm

Extension of the X-axes to 3600 mm
Extending the X-axis to 3600 mm, instead of the standard 1470 mm, drastically reduces changeover cycles, especially for long and medium length workpieces. This significant reduction in cycle time means that more components can be produced per shift.



Dowel aggregate (X direction)

The dowel aggregate in the X direction consists of two units. The dowel insertion unit is located on the drill head. The vibrator and the water and glue tanks are located inside the machine housing. The vibrating pot can be filled from the outside. The dowels can be inserted in the X direction +/- . The width of the dowels that can be used in the dowel unit is 5/16 in (8 mm). Permitted dowel lengths are 25/32, 63/64, 1 3/16 or 1 37/64 inch (20 mm, 25 mm, 30 mm, 35 mm 40 mm). The tolerance for the dowel length is +/- 0.2mm. In addition to traditional wooden dowels, swelling dowels can also be used, which are activated by adding water.



Two clamp system for belt feeder

The two workpiece clamps, each driven by an independent servomotor, enable dynamic, uninterrupted workpiece movement during processing, except at the points of contact with the clamps.

Product Features

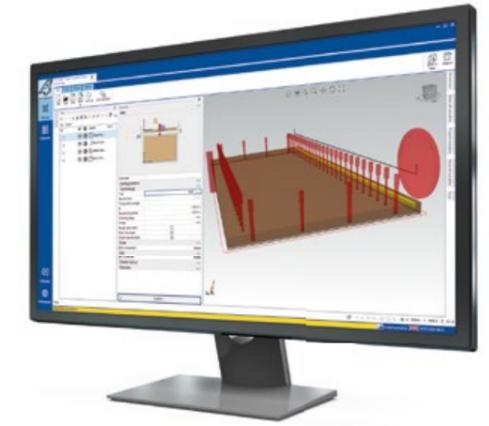
- » The precision ball bearings integrated into the clamp as stop points for the workpiece ensure optimum referencing of the components and edge-friendly transport.
- » 4-sided workpiece formatting with fully automatic chip removal on the clamp side.
- » With a positioning speed of up to 90 m/min, changeover cycles and positioning movements are completed in no time at all.
- » The pneumatic clamping force of the workpiece clamp can be adjusted to suit a wide variety of material types using a control valve with pressure gauge, preventing marks on sensitive surfaces.

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Details

F4®Integrate: The pioneering CNC software

For the highest demands, all inclusive - tool library, programming section and an operator control panel on the machine with a consistent and intuitive user interface. F4®Integrate is a software developed by Format4®. Developed from practical experience for practical use in cooperation with our CNC customers, F4®Integrate meets the highest demands in modern CNC machining.



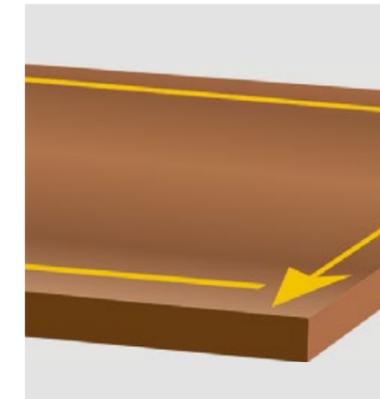
Enjoy the comfort of a state-of-the-art and well-coordinated user interface. Tool library (F4Toolbox), programming section (CAM area with integrated CAD area, F4Create) and machine operation control (F4Operate) all packed into just one single screen, with a consistent and intuitive user interface.

F4Integrate is based on G-Code, so external industry programs can be easily connected and the transfer of programs smoothly organised.



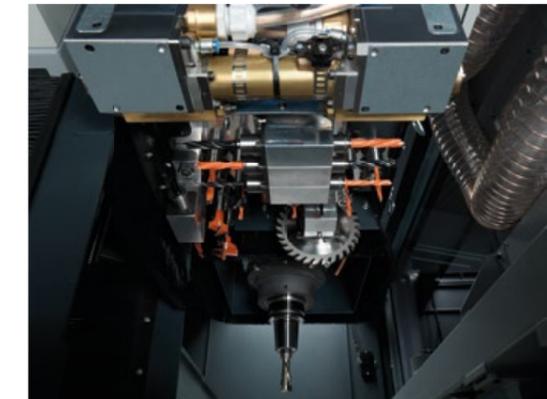
Horizontal workpiece transport - processing from above

The horizontal processing concept of the creator 1250 convinces at first glance. Even the heaviest workpieces can be processed easily in single person operation. Common transport aids such as the FelderFAT 300/300S/600S height adjustable work tables, facilitate the material handling in front of and to the rear of the machine.



Four-sided formatting

The router unit makes 4 sided formatting and cutouts in panels possible. The only requirement is that the workpiece maintains its right angled shape along the outer edge.



Main Spindle and Drill Head are continuously driven

The 12 kW main spindle offers real high performance and allows the processing of various different materials. The DH17 drilling head included as standard provides a comprehensive processing of workpieces. As an option, the machine can be fitted with a DH25 drilling head.



Spindle

With a motor power of 10 and 12 kW and up to 24,000 rpm, the main motor is controlled using an inverter and is attached directly to the Z axis. Dual linear guides guarantee highly precise vertical guiding. The main motor is positioned using ground ball screws. The HSK F63 tool clamping is done automatically. The clamping of the tool is checked using sensors, which then confirm that it is safe to start the operation. The tool holder is cleaned automatically. The C-axis is optionally available as the fourth axis and is interpolating (360°) with a compressed air interface for the units.

Space for up to 17 tools

The 17-position linear changer offers sufficient space for a wide variety of tools and up to 4 aggregates, ensuring the shortest possible changeover times.



Individual drill head configuration

Regardless of whether the machine will only be used for cabinet manufacturing or as an all-rounder, you can decide which drilling head configuration is the right one for you. Optionally D17, DH25 or drill head with integrated tool holder for Lamello Clamex P tool. Inverter driven motor up to 7,500 rpm

DH17

- 11 vertical spindles
- 6 horizontal spindles
- 1 grooving saw blade in the X direction

DH25

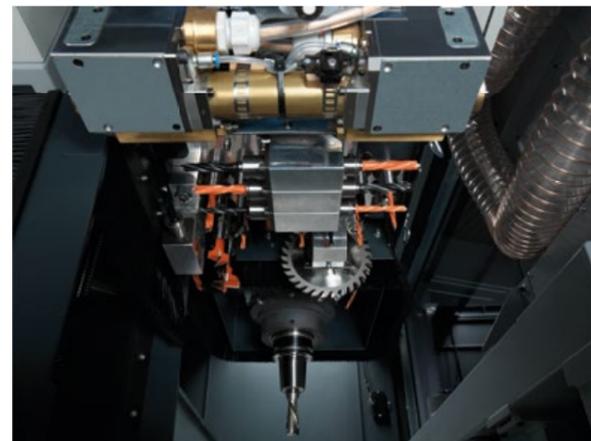
- 17 vertical spindles
- 8 horizontal spindles
- 1 grooving saw blade in the X direction

DH18 with lamello clamex P inserts

- 14 vertical drilling spindles
- horizontal drilling groups, one each in X and Y direction
- a grooving saw blade in the X direction
- two Lamello Clamex grooving cutters, each in the X and Y direction

Stroke = 70 mm, max. drill length = 70 mm and shaft D= 10 mm.

All of the spindles are motor driven and can be used individually. The rotation speed can be set to any speed up to 6000 rpm. Grooving saw blade in the X direction, max. saw blade diameter 120 mm, max. tooth thickness 10 mm, max. variable rotation speed up to 7500 rpm. The drilling group covers the entire work area both horizontally and vertically.



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Product range

Sliding Table Panel Saws



Spindle Moulders



Planer



Edgebanders



Wide Belt Sanding Machines
Brushing Machine



CNC machining centres



Nesting-CNC Machining Centres



Industrial Panel Saws



Vacuum panel lifter
Return systems
Feeding Units



FORMAT 4®

FORMAT4 Uncompromising expertise for the highest of requirements

The Felder Group premium brand has met the highest standards of professional users since 2001.

The customised high-performance solutions are uncompromisingly innovative, offer maximum operating comfort and complete productivity.

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