



Five axes for universal workshops.

It is universal workshops in particular where 5 axes technology is becoming increasingly important. With just a few standard tools, a large as possible range of uses has to be covered, in order to keep the cost of investment in special units and milling tools as low as possible. The new profit H350 Format4 CNC Machining Centre covers these requirements like no other and offers the most up-to-date 5 axes technology at a manageable investment level. The high performance main spindle guarantees excellent results at every angle regardless of the material. In conjunction with the 18 independent drilling spindles and integrated grooving saw aggregate, the profit H350 offers limitless processing possibilities and ensures shortest possible production cycles.

In the new, completely reengineered design, the CNC machining centres from Format4 display dynamics, power and high end technology from the first glance. With the "everything from a single supplier" solutions from Format4 the customer will receive a perfectly matched complete package for the highest of requirements.



Limitless processing possibilities with the FORMAT-4 boring unit

The drilling head with 18 drilling spindles. 12 vertical drilling spindles, 32 mm distance between spindles: each can be used individually

6 horizontal drilling spindles, spaced at 32 mm: 4 in the X and 2 in the Y axis, each can be used individually

Integrated slot cutter in the X-axis

Inverter controlled motor up to 7,500 rpm

Highlight: The complete working field can be covered by the drilling head for vertical and horizontal drilling



F4@Integrate - The pioneering CNC software

A well-rounded workflow to reach your goal profitably, no matter in which sector - F4@Integrate makes it possible. Our collected experiences combined with those of our customers result in a very efficient CAD/CAM all-round system with which even single pieces can be profitably processed. The 3D component & machine simulator helps prototyping and with preparing quotations. The clearly arranged 3D-guided tool database leaves nothing to be desired even when it comes to complex profile tools. F4Create, the CAD/CAM system offers a variety of helpful functions to make the calculation of the tool path as simple and powerful as possible. F4@Integrate is based on G-code, so external industry programmes can be easily connected and the transfer of the programmes smoothly organised



lightPos - LED vacuum pods positioning - revolutionary, easy and precise

lightPos:

Precision (+/-1mm)

Clearly arranged (immediately visible at a glance on the entire working area)

Self-explanatory (continuously different colours of the clamping devices in the software, on the clamping device and in the positioned area on the console)

Suitable for pendulum operation

Display of machine status during operation of the machine

Overview and features

- Small footprint - minimal space requirement!
- 5 axes router spindle, solid construction with 12 kW liquid cooled motor
- Drawing = programming, intuitive operating software
- Software including 3D cabinet software "F4-Design" for presentation, parts list and connection to the machine
- Gantry design, synchronised drive, solid construction for maximum performance
- The drilling head covers the whole working field
- High quality dual circuit vacuum clamping system with 100 mm vacuum pod height
- Large Y dimensions for maximum processing depth

Specifications

Weight	4300kg
X, Y, Z working area	5000 x 1550 x 150 mm
Tool changer	Up to 36 tool positions
Drilling head	Up to 30 spindles (8H, 2S)
Main spindle	Up to 15 kW HSK F63

Specifications are subject to change without notice.