



profit H08 start profit H08 professional



CNC-Nesting – Efficiency in the smallest of spaces

The profit H08 from Format-4 is the CNC-machining centre for professional nesting applications with minimal space requirement. Especially developed for universal application, this profitable all-rounder convinces with top precision and impressive productivity when processing different materials.



Portal design
with gantry
drive system



Up to 750 m³/h
vacuum power



Perfect nesting with
the Format-4
matrix table



Automatic tool length
measurement system



Automatic unloading
unit including electric
motor driven
offloading pusher



Additional seals for
extreme operating
conditions



VIDEO

lg.cm/ph08-2131-eng

profit H08 classic

Special models from this machine range are exclusively for the Felder Group export markets





Working area

Routing and drilling in any desired shape, in a single working process

The dual side driven gantry on the profit H08 guarantees maximum precision and repeatability of your processes.



Hand-held terminal

Hand-held terminal with potentiometer and emergency stop.

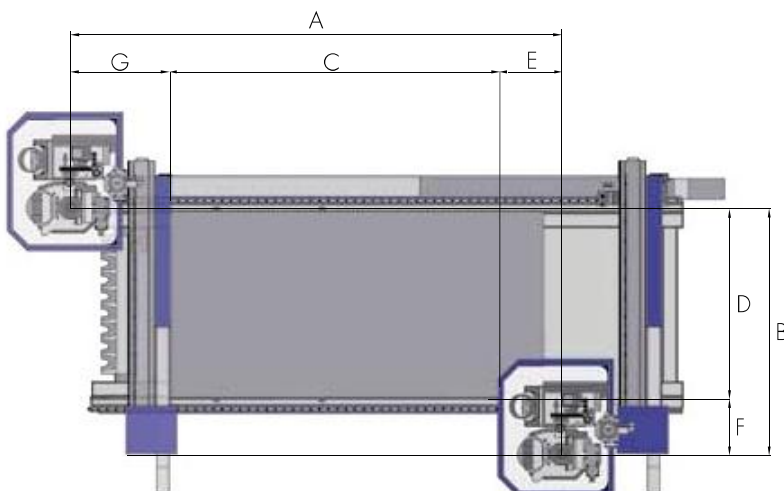


Gantry system

The rack and pinion drive in the X and Y direction ensures maximum traverse speeds for the shortest processing and tool changing times.



Working areas, traverse distances



profit H08 13.25

- A 3,260 mm
- B 1,630 mm
- C 2,500 mm
- D 1,250 mm
- E 593 mm
- F 186 mm
- G 166 mm

profit H08 16.31

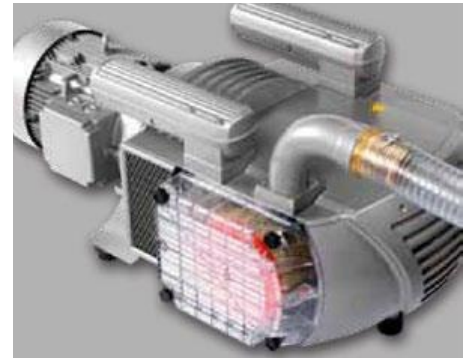
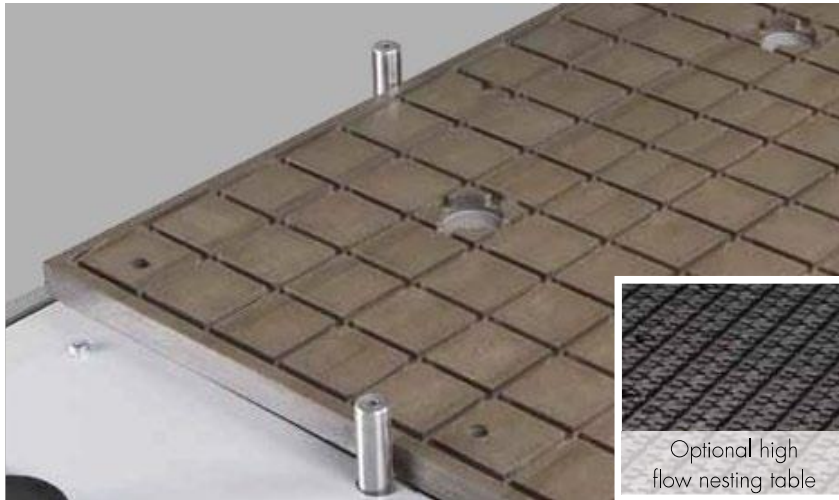
- A 3,860 mm
- B 1,930 mm
- C 3,090 mm
- D 1,530 mm
- E 593 mm
- F 186 mm
- G 176 mm

profit H08 21.31

- A 3,860 mm
- B 2,500 mm
- C 3,090 mm
- D 2,100 mm
- E 125 mm
- F 375 mm
- G 645 mm

Perfect nesting with the FORMAT-4 matrix table

The nesting table with optimal matrix geometry enables the full panel support of workpieces of any size and design, guaranteeing exact positioning. Reference stops mounted directly to the table offer additional support in reducing wastage and can be optionally equipped with collision protection sensors to monitor their position.



Vacuum system

Air-permeable materials and small-area parts can be fixed with maximum holding force. Up to 750 m³/h.

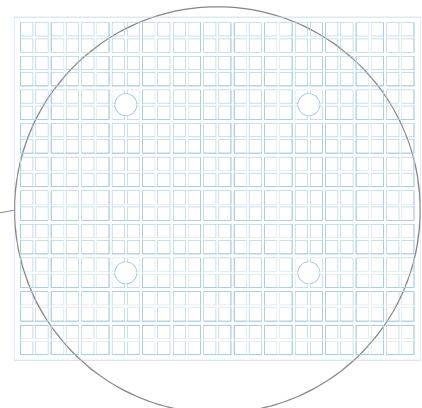
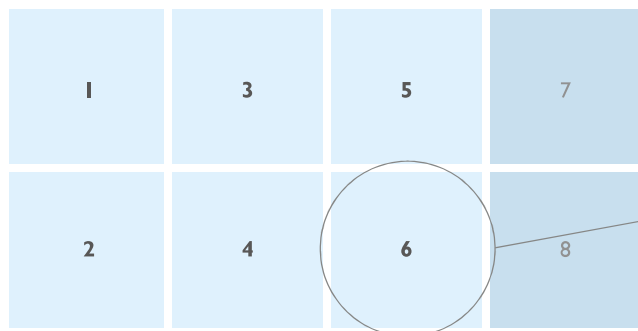


Vacuum table grid: 60 x 60 4 vacuum outlets per area

The vacuum table of your profit H08 classic comes with a grid of 60 by 60 mm and 4 vacuum connections per field for even distribution of vacuum and maximum suction performance across the full nesting table. An upgrade to a grid pattern of 30 by 30 mm is available for best possible hold down effects for all sorts of shapes and sizes but especially for smaller pieces.

Phenolic material

The vacuum table is made out of phenolic resin, which has the benefit of being non-corrosive and is not affected by heat or cold (expansion and contraction). Accurate precision is guaranteed.



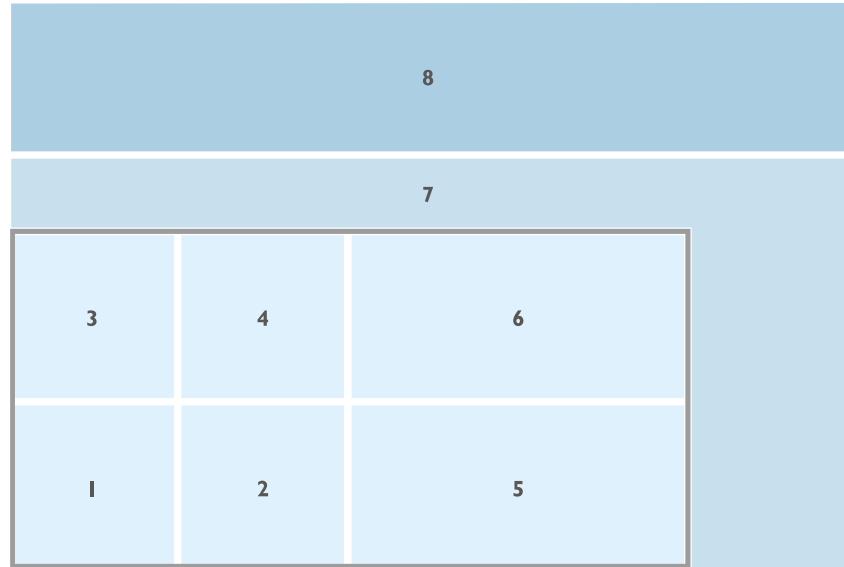
The working area is by default subdivided into 6 (H08 13.25) or 8 (H08 16.31) vacuum fields in order to ensure the best holding force for the most varied panel sizes. The vacuum fields are controlled manually using a hand lever on the front side of the machine.

Smart Zoning (profit H08 21.31)
 Due to the smart zoning vacuum control, the vacuum zones can be switched to either fully automatic or manual control and activated based on the workpiece size.

The predefined vacuum zones of the matrix table are based on three common panel sizes:

- 2500 mm x 1250 mm ■
- 3090 mm x 1530 mm ■
- 3090 mm x 2100 mm ■

This makes it incredibly quick to change from one panel size to the next.



It also makes it possible to position and process individual workpieces with variable sizes in the working fields 1 to 6.

Drilling head

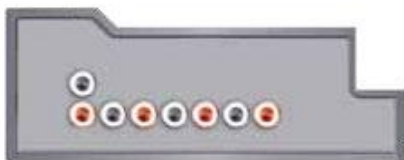


DH 8

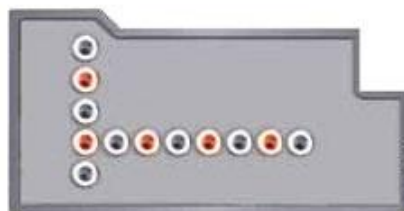
Drilling heads

- DH 8 drilling head, with 8 vertical spindles
- DH 12 drilling head, with 12 vertical spindles
- DH 16 drilling head with 12 vertical and 4 horizontal spindles and 2 saw blades
- Inverter driven motor up to 6,000 rpm

The machine carries out vertical drilling.



DH 8



DH 12



DH 16

Spindle



"Professional": for maximum productivity and complete flexibility

In the professional package, the high performance routing spindle has a HSK-F63 tool chuck and together with the 10kW motor rotating at 24,000 rpm delivers perfect results even when machining difficult to process materials. Up to 11 tool positions ensure that a quick tool change is possible, making the H08 even more productive.

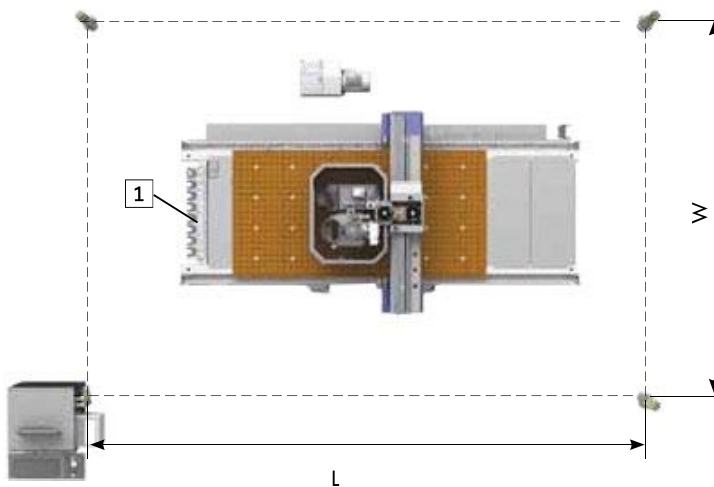
Equipment package "start" for perfect routing results

The high performance routing spindle in the "start" package with an ER 32 chuck, 10 kW motor power and 24,000 rpm achieves first class results and highest precision with maximum productivity.

Automatic tool length measurement system

Parametrising your tools made easy: Each tool length in the database is provided with an accuracy of a hundredth of a millimetre.

Tooling positions and space requirements



1 tool changer
8- or 11 position tool changer
on the side of the machine chassis

Symbolic image profit H08 13.25, profit H08 16.31,
profit H08 21.31