



Automatically adjustable grooving cutter

Grooving in batch size 1 on Homag throughfeed machines



The just-in-time production of individual furniture parts on throughfeed machines places the highest demands on the flexibility of the machining processes. Changing the groove width, for example for different rear wall thicknesses, previously required two consecutive aggregates.

With the automatically adjustable grooving cutter, it will be possible in future to change the groove width on just one unit during operation. More flexibility and efficiency in series production is hardly conceivable.

YOUR BENEFITS

- Variable groove width in the workpiece gap
- Reduction of the set-up times
- Cost savings through less aggregates
- Space-saving due to shorter machine length

AT A GLANCE

- Variable groove widths from 2.5 mm on
- Reusable HSK tool holder
- Can be resharpened several times
- Diameter 140–250 mm
- Compatible with Homag SF30 grooving units
- Suitable for all conventional panel materials
- Available at short notice
- Diamond tipped



2.5 TO 18.0mm

POSSIBLE GROOVING WIDTH AREA

0.5 SECONDS

REQUIRES THE GROOVE CHANGE IN THE PART GAP AT $v_f = 30 \text{ M/MIN}$

-100 %

MACHINE SET-UP NOT REQUIRED

Your benefits due to ...



FLEXIBILITY

Variable groove width and groove shape

- Automatic groove width adjustment within the workpiece gap
- Groove shape can also be varied during the machining process



EFFICIENCY

Machine set-up or additional aggregates are not required

- No machine stillstand for adjusting the groove width
- Just one grooving unit required
- Reduced tool costs through reusable HSK tool holder



PRODUCTIVITY

Increased product versatility in the throughfeed production

- Higher parts output even with batch size 1 through feed speed up to 40m/min
- Less tool change due to long lifetime

Examples for possible groove width areas

Groove width (mm)		Groove depth (mm)
from	to	
2.5	4.5	8.0
3.0	5.5	10.0
4.0	7.5	12.0
5.0	9.5	16.0
6.0	11.5	20.0
7.0	13.5	20.0
8.0	15.5	20.0
9.0	17.5	25.0
9.5	18.0	25.0

Professional working:
automatic – flexible – efficient

