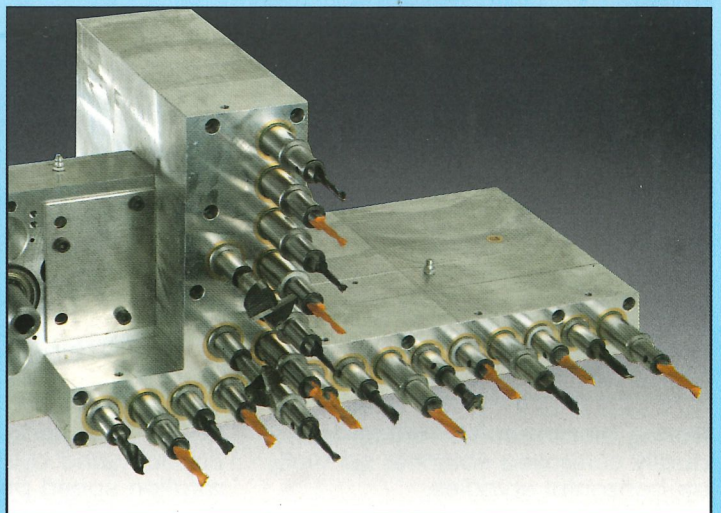
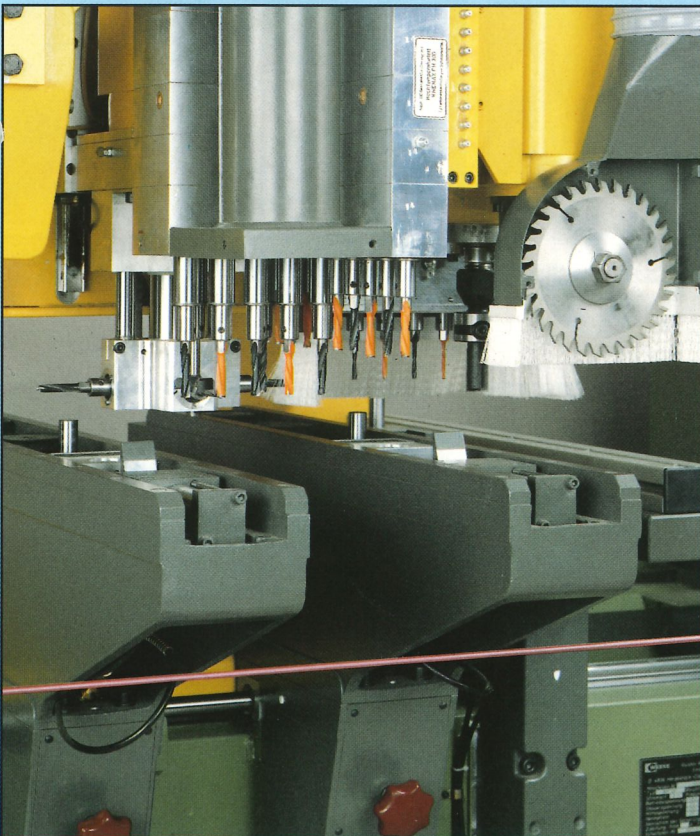
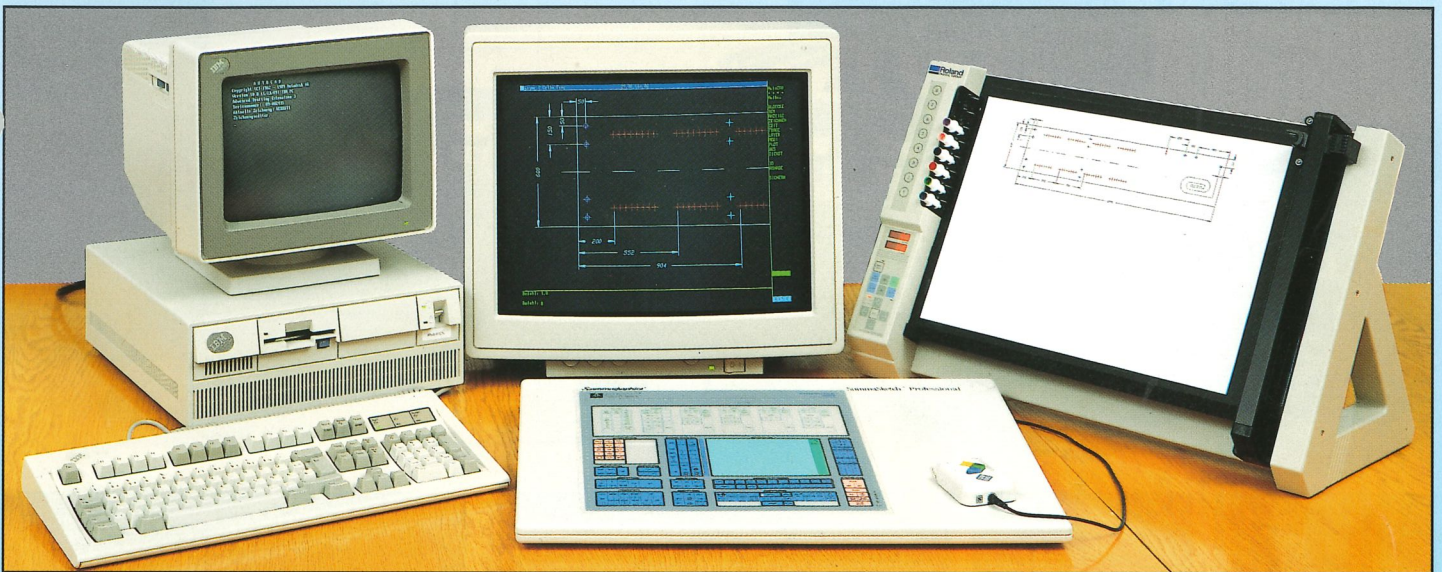




**Weeke CNC Machining Centres**

# **BP 05 – BP 10 – BP 15**

**The Flexible and Economic Solution for Customer-made Production  
in Craftsman Shops and Industry.**



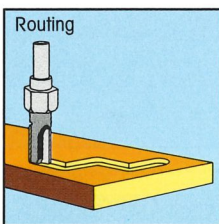
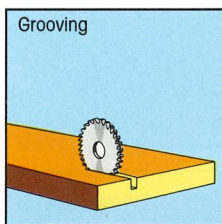
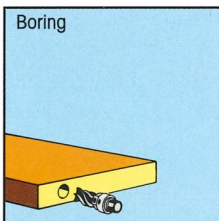
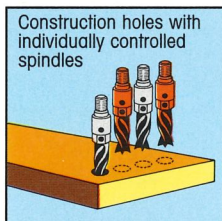


# BP 05

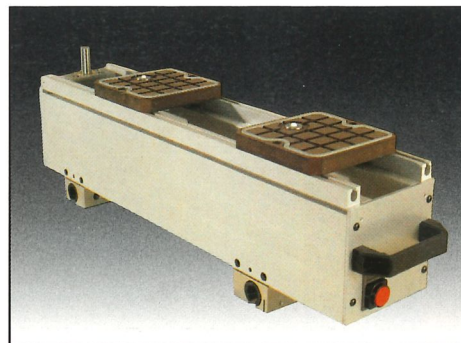
The Economic, Precise and Sturdy Entrance to Full CNC Technology.  
The Result of Industry-proven Technique.

## Technical data:

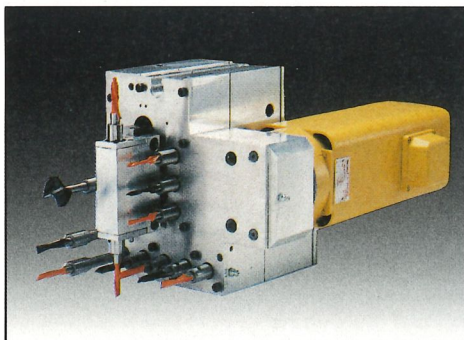
- Parameters:  
2500 x 650 x 50 mm
- Head configuration:  
Boring block with 10 individually controlled boring spindles of up to 35 mm drill bit dia. Horizontal boring block with spindles along x-axis, router unit up to 4,0 KW (5,4 HP) capacity, max. 18000 rpm.  
Grooving saw unit 1,0 KW (1,34 HP) along x-axis.  
Pneumatically locked panel tables.



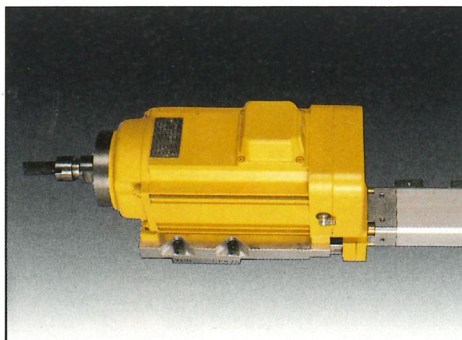
Suction cups with variable suction area for easy contouring.



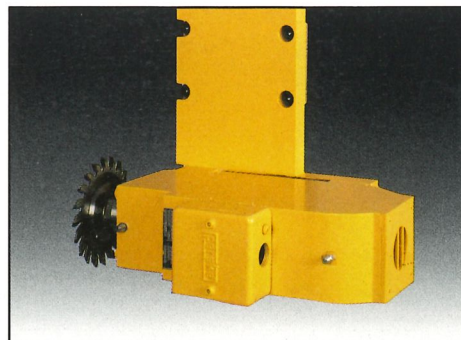
Panel tables running smoothly on hardend round shafts, pneumatically locked.



Boring block with 10 vertical individually controlled spindels, as well as horizontal spindles.



Router with up to 4,0 KW (5,4 HP) capacity and LEUCO PS-System rotation speed programmable to max. 18.000 rpm.



Grooving saw unit 1,0 KW for through and stop groove in x-direction.

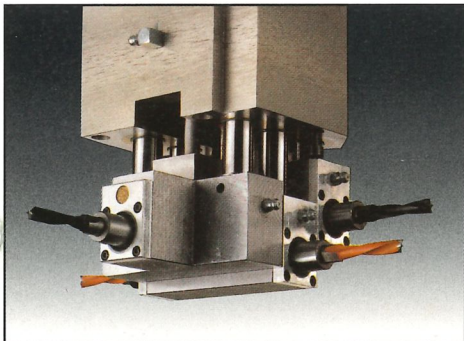
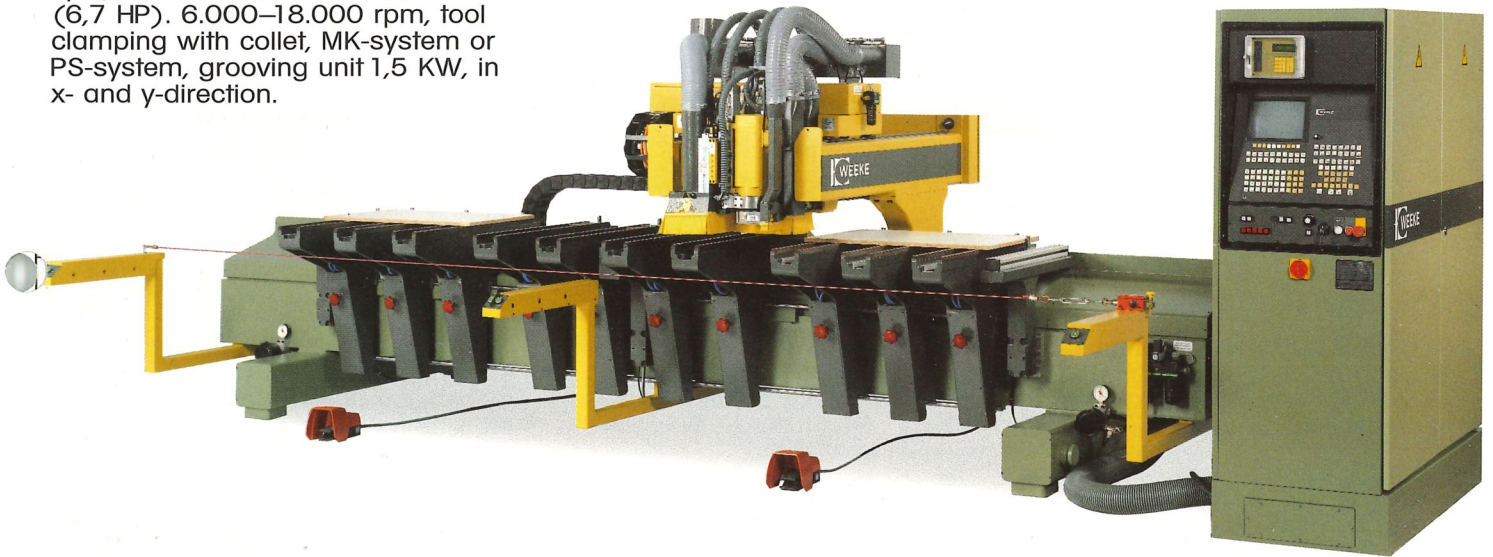


# BP 10

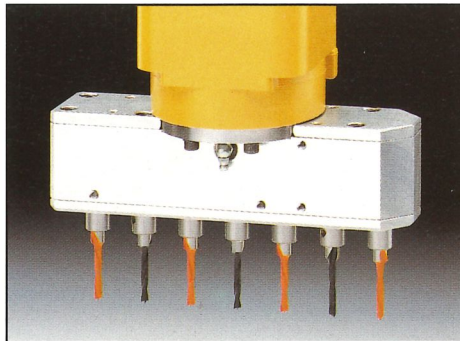
The General Purpose Machine with all Variation Possibilities

## Technical data:

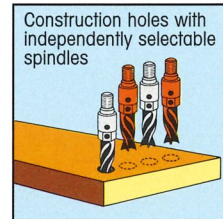
- Parameters:  
2500/3250 x 800 x 60 mm
- Head configuration:  
Boring block with 16 or 22 individually controlled spindles with max. 35 mm drill bit dia.  
Horizontal boring block with up to 6 individually controlled boring spindles, router with max. 5,0 KW (6,7 HP). 6.000–18.000 rpm, tool clamping with collet, MK-system or PS-system, grooving unit 1,5 KW, in x- and y-direction.



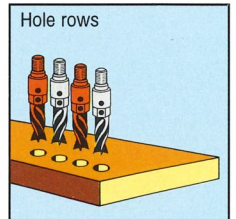
Horizontal boring block with 2 x 2 x-axis spindles at 32 mm centres and 1 y-axis spindle.



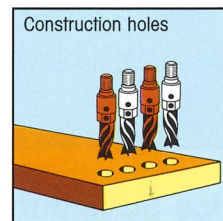
Multi-spindle vertical boring unit at 32 mm or special centres.



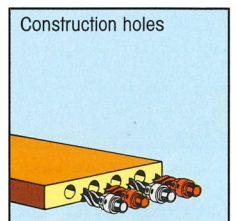
Construction holes with independently selectable spindles



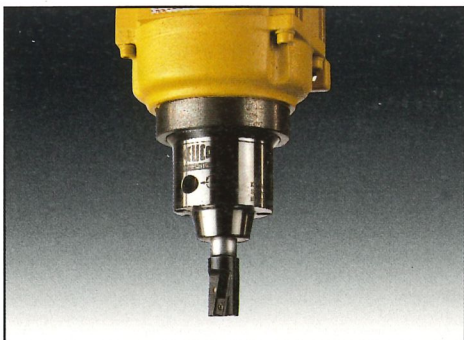
Hole rows



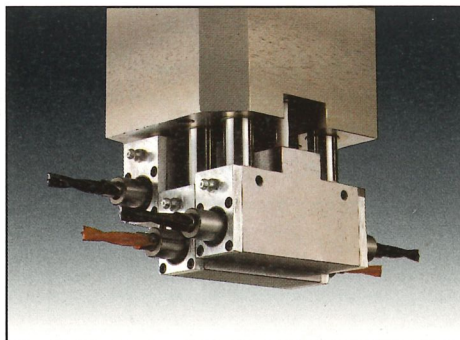
Construction holes



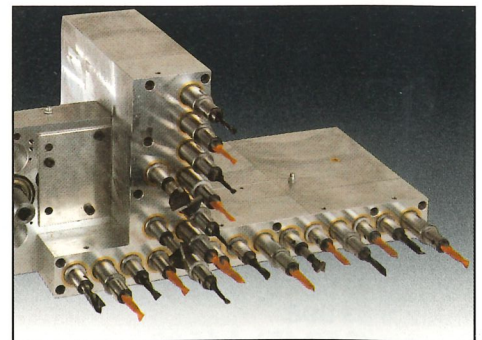
Construction holes



Router of up to 5 KW (6,7 HP) with infinitely adjustable rotation speed (max. 18.000 UpM). Tool clamping for highest precision.



Horizontal boring block in x-direction at 2 x 32 mm centres individually controlled.



Boring block with 22 individually controlled spindles, arranged in T-shape, 2 spindles reinforced for drill bit dia of max. 35 mm.



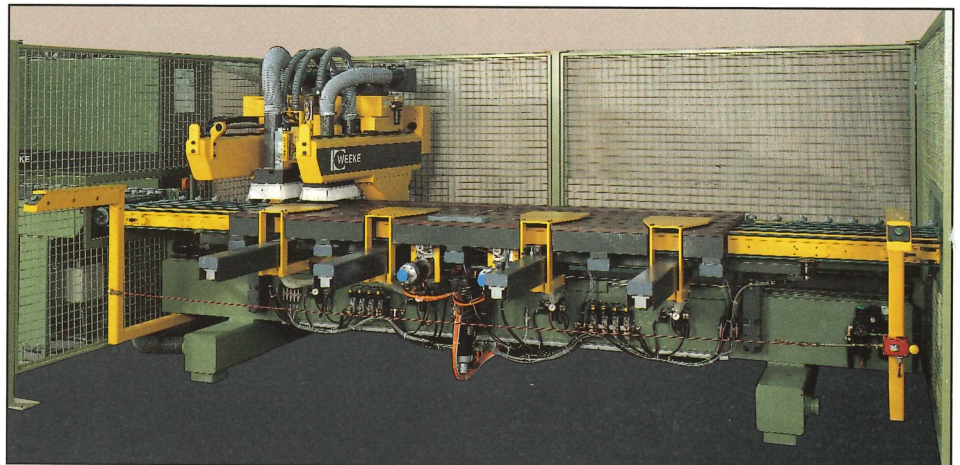
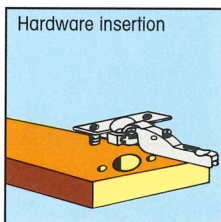
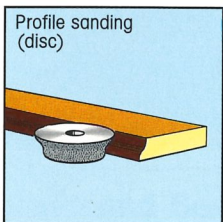
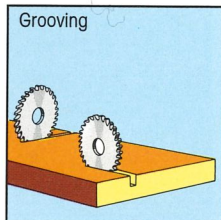
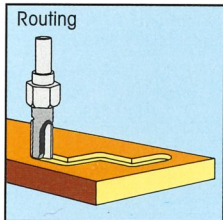
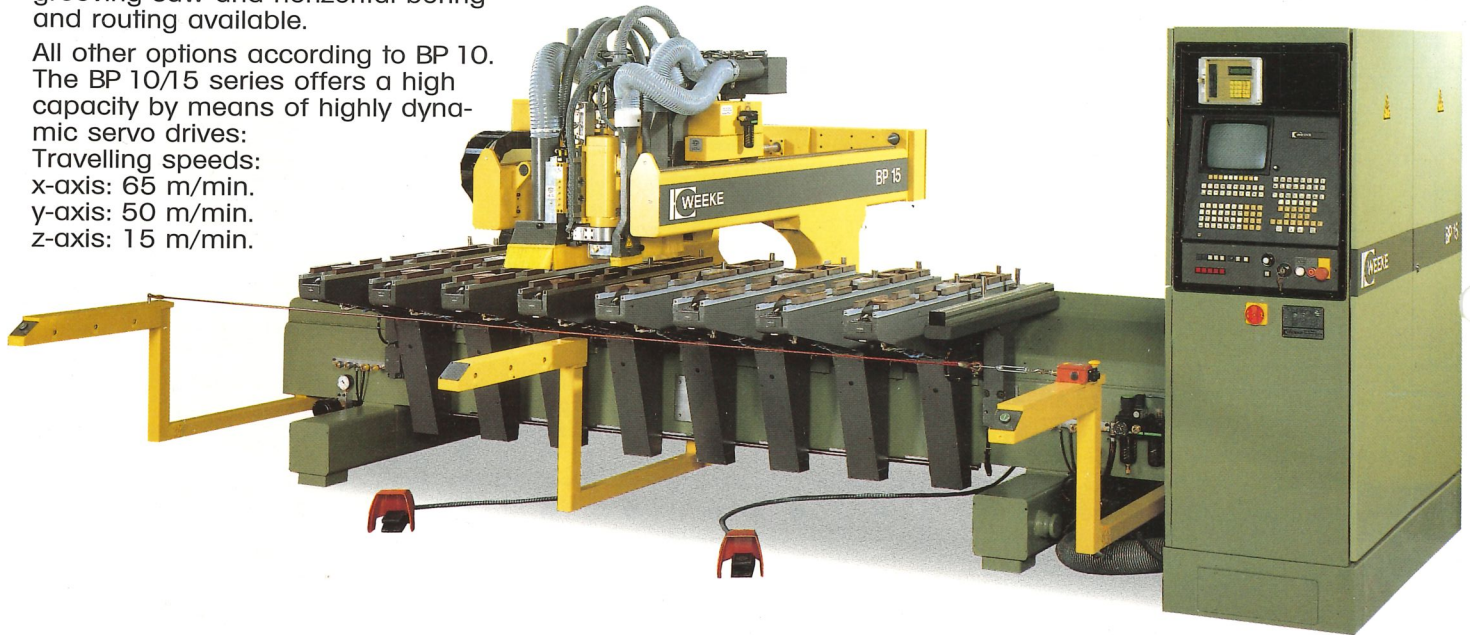
# BP 15

The Series with the Large Parameters  
for Various Applications.

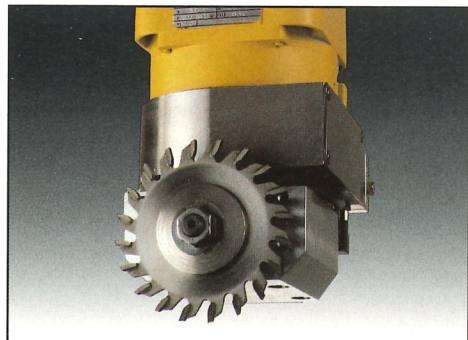


## Technical data:

- Parameters:  
2500/3250x1000x60 mm
  - Head configuration:  
Boring blocks with 16, 22 or 26  
individually controlled spindels, drill  
bit dia of max. 35 mm.  
Controlled turning axis (C-axis) for  
grooving saw and horizontal boring  
and routing available.
- All other options according to BP 10.  
The BP 10/15 series offers a high  
capacity by means of highly dyna-  
mic servo drives:  
Travelling speeds:  
x-axis: 65 m/min.  
y-axis: 50 m/min.  
z-axis: 15 m/min.



The series BP 10 and BP 15 are also available with automatic panel conveyor for integration within flow lines.



Grooving saw with x/y turning  
device, saw blade 150 mm dia,  
drive 1,5 KW (2 HP).

## The technology of machining centres:


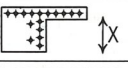
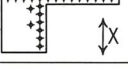



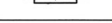


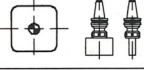
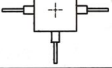
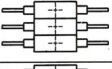
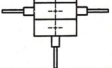
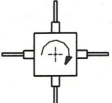
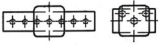








- Sturdy, vibration free construction
- High quality linear guides to achieve dynamics and precision.
- Strong maintenance free drives.
- User-friendly control with dialogue surface, supported by graphics, to program either in the office or in the workshop.



# Machining Centres (open style)

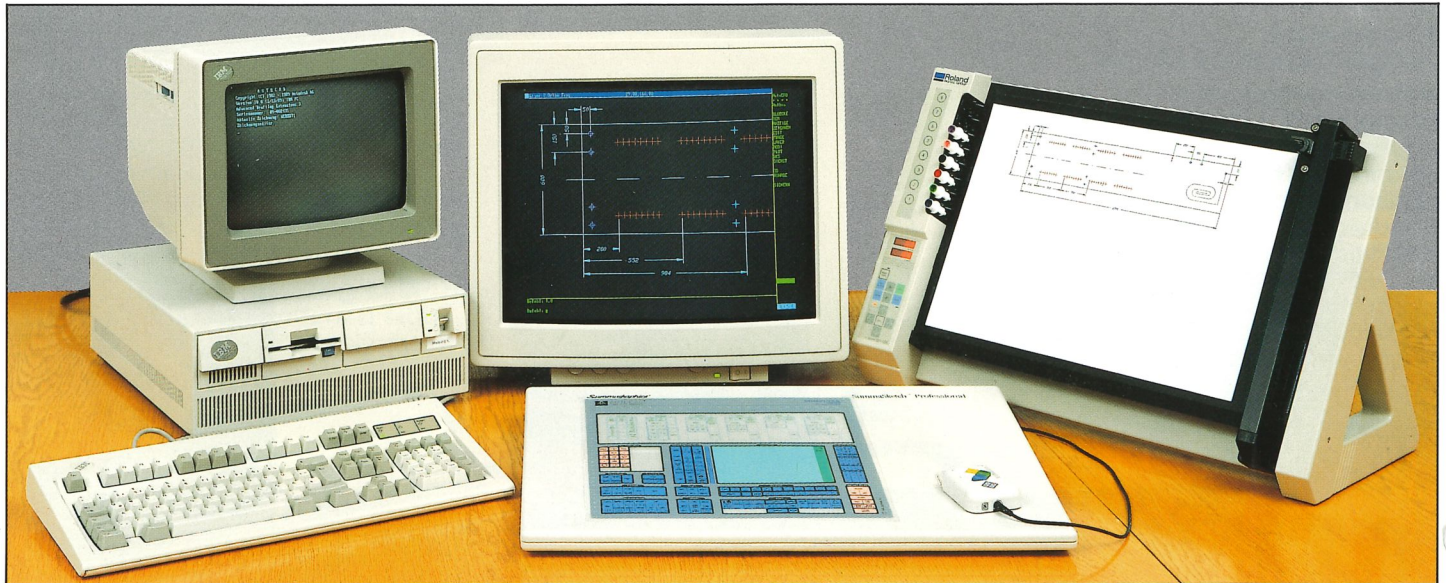
## All Options at a Glance



CNC machining centre (open style)	BP 05	BP 10/1	BP 10/2	BP 15/1	BP 15/2	BP 15/3	BP 15/1S	BP 15/2S	BP 15/3S	
2500 x 650 x 50 mm	●									Available also with automatic panel con- veyor system.
2500 x 800 x 60 mm		●	●							
3250 x 800 x 60 mm		●	●							
2500 x 1000 x 60 mm				●	●	●	●	●	●	
3250 x 1000 x 60 mm				●	●	●	●	●	●	
 Boring block with 10 individually controlled spindles	●									
 Boring block with 16 individually controlled spindles		●		●				●		Capacity stage 1
 Boring block with 22 individually controlled spindles			●		●				●	Capacity stage 2
 Boring block with 26 individually controlled spindles							●		●	Capacity stage 3
 Router P = 2,5 KW (3,3 HP), n=18000 rpm <sup>-1</sup>	●									
 Grooving saw P=1,0 KW (1,32 HP) n=12000 rpm <sup>-1</sup>	●									
 Horizontal boring spindles	●									
 Central zero	●	●	●	●	●	●	●	●	●	
 Router un. 4 KW (5 KW) w. Hydro prec. tool clamp. syst. (∅ 25 mm) n = 6000-18000 rpm		●	●	●	●	●	●	●	●	
 Router unit w. tool changer, w. router motor 5 KW and machine taper ISO 30, n = 6000-18000 rpm		●	●	●	●	●	●	●	●	
 Horizontal boring block		●	●	●	●	●	●	●	●	
 Horizontal boring block individually controlled 2 x 32 mm x-direction		●	●	●	●	●	●	●	●	
 Horizontal boring block, individually controlled 1 x 32 mm, x/y-direction		●	●	●	●	●	●	●	●	
 Horizontal boring block with C-axis 360°							●	●	●	
 Row boring unit x-direction		●	●	●	●	●	●	●	●	on request
 Special boring unit for hinges										
 Grooving saw 1,5 KW ∅150, shaft ∅ 30 mm, Kerf width max. 8 mm arranged along X-axis		●	●	●	●	●	●	●	●	
 Grooving saw 1,5 KW ∅100, shaft ∅ 30 mm, Kerf width max. 8 mm, swivelling at 90° (x- or y-direction)		●	●	●	●	●	●	●	●	
 Grooving saw 1,5 KW ∅ 250, shaft ∅ 30 mm, Kerf width max. 8 mm, C-axis 360°							●	●	●	
 Horizontal routing unit 1,5 KW Clamping collet 1-13 mm y-direction		●	●	●	●	●	●	●	●	
 Horizontal routing unit 1,5 KW Clamping collet 1-13 mm, C-axis 360°							●	●	●	
 Edge sanding unit 1,5 KW, n = 700-1200 rpm <sup>-1</sup>				●	●	●	●	●	●	
 Hinge inserting Hinge plate inserting or screwing		●	●	●	●	●	●	●	●	on request



# Weeke-CAD/CAM-System For Easy Creating of Programs



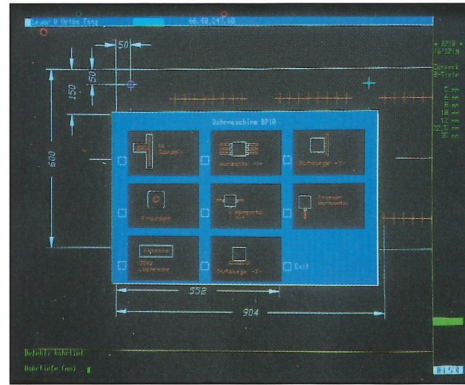
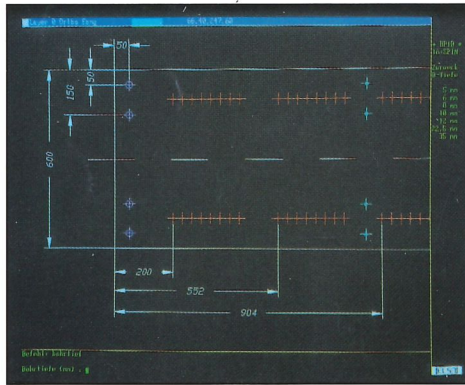
The panel is designed by means of a standard CAD software (e. g. Auto CAD 10.0). All geometric data for boring-, grooving and routing applications (incl. special routines for pockets etc.) are created and stored in a DXF data file.

The Weeke CAD/CAM postprocessor offers adding of necessary technology data (speeds, rpm's etc.) by means of a user-friendly menu. From all the data the machine program will be generated automatically. An optimization program for shortest processing time is integrated.

Screen shows complete panel, incl. dimensions

User-friendly menu to choose available machine configuration

All data of the NC program are additionally filled into the dialogue surface on the machine screen to make modifications on the shop floor easy.



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**Homag España S.A.**  
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**Homag Austria**, A-5301 Eugendorf 218  
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**Homag Singapore**, Singapore 2158  
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