

Working centre OPTIMAT BP150/BP155

The power package
in the OPTIMAT - range
flexible and economic

CNC-controlled working centre

The future-orientated power package without taboo



OPTIMAT philosophy:

The OPTIMAT machines from WEEKE offer the same top technology, the same quality and reliability you know from our standard program. For your heavy demands we have selected 4 OPTIMAT machines from the standard range.

OPTIMAT BP150 [BP155] OPTIMAT BP150/K [BP155/K]

In this machine range you can choose the 8-fold, 18-fold or even the 36-fold tool changing magazine as well as the tubeless vacuum clamping system.

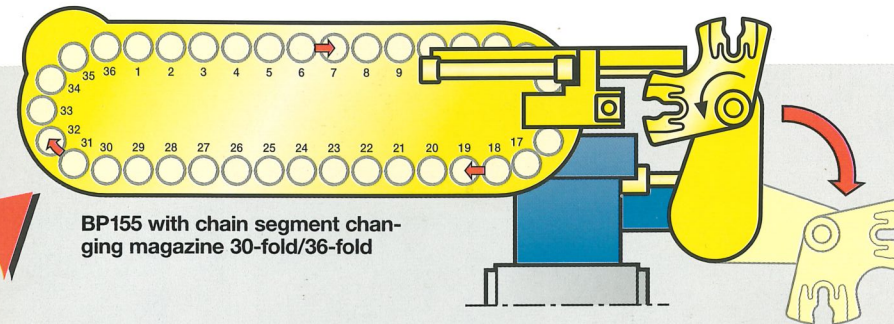
The power package, as versatile as your practise. Boring, grooving, cutting, sizing and profiling in all variants. For processing of carcasses, face panels, worktops, desks, interior doors, front doors, stair strings and steps etc.

Technical details:

- Working table in X-direction: 3250, 4250, 5250, 6250 [mm]
- Working table in Y-direction: 1300, 1500 [mm]
- Working area in Z-direction: 100 mm, up to 180 mm considering the parameters determined by WEEKE.
- Up to 42 individually selectable boring spindles
- Liquid-cooled main spindle 7,5 kW or 12 kW with integrated C-axis to take adapter aggregates from the HOMAG-group modular building system.
- 8 workpiece supports with feeding rails, 20 workpiece stops and 24 vacuum cups and 100 m³/h vacuum pump are included in the basic equipment.

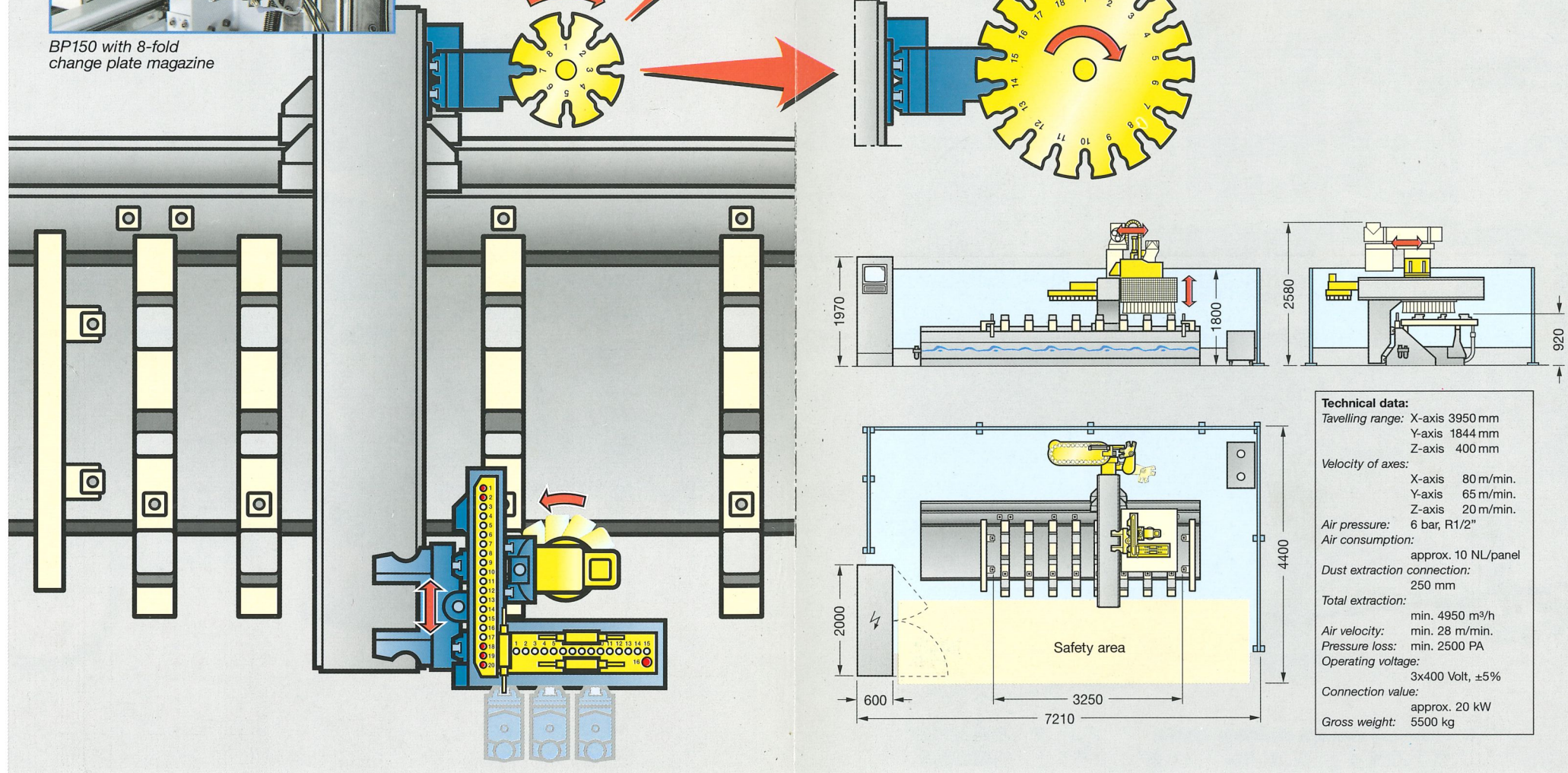
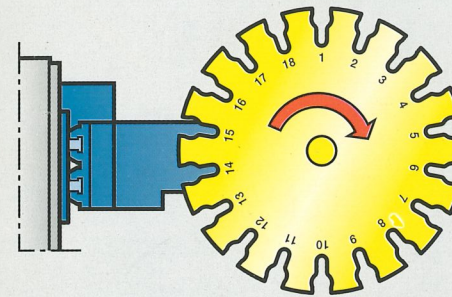


BP150 with 8-fold change plate magazine



BP155 with chain segment changing magazine 30-fold/36-fold

BP150 with 18-fold change plate magazine



Technical data:

Travelling range: X-axis 3950 mm
Y-axis 1844 mm
Z-axis 400 mm

Velocity of axes:
X-axis 80 m/min.
Y-axis 65 m/min.
Z-axis 20 m/min.

Air pressure: 6 bar, R1/2"

Air consumption: approx. 10 NL/panel

Dust extraction connection: 250 mm

Total extraction: min. 4950 m³/h

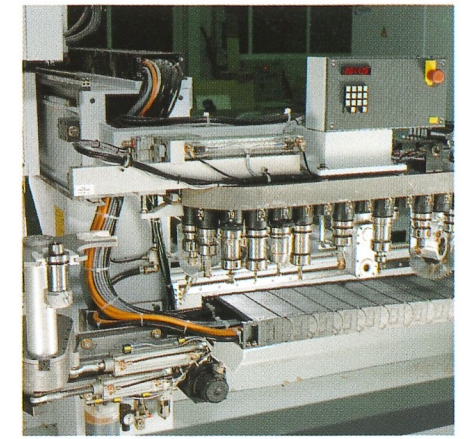
Air velocity: min. 28 m/min.

Pressure loss: min. 2500 PA

Operating voltage: 3x400 Volt, ±5%

Connection value: approx. 20 kW

Gross weight: 5500 kg



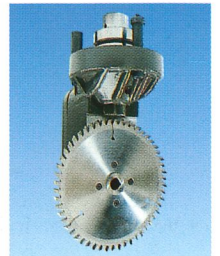
Tool changing magazine with intermediate grip arm



horizontal boring



Routing aggregate up to 30000 rpm



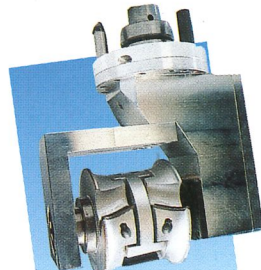
Sawing aggregate



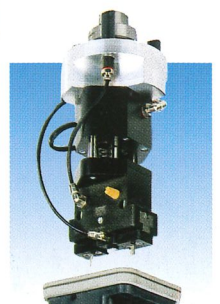
tracing routing aggregate



tracing routing aggregate



Planing aggregate



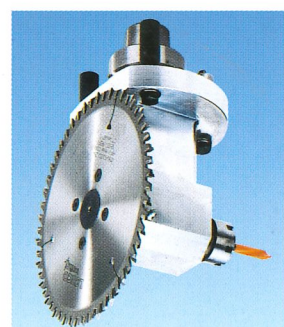
Aggregate for automatic vacuum cup positioning



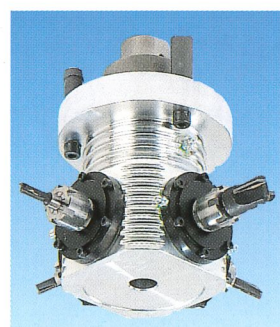
Underfloor routing aggregate



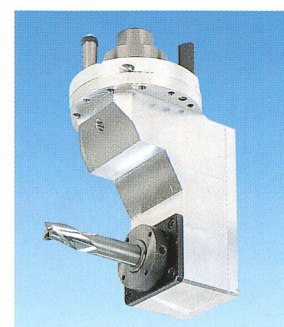
Holder for grinding wheel



Combination aggregate, sawing, boring, routing



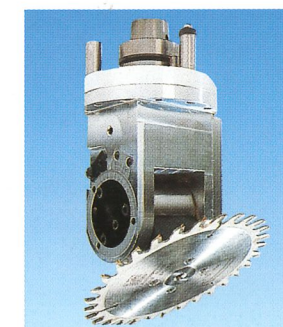
horizontal routing block with 4 spindles



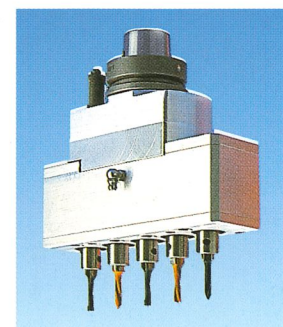
Cam box aggregate



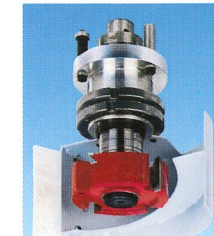
inclinable boring aggregate



swivelable sawing aggregate

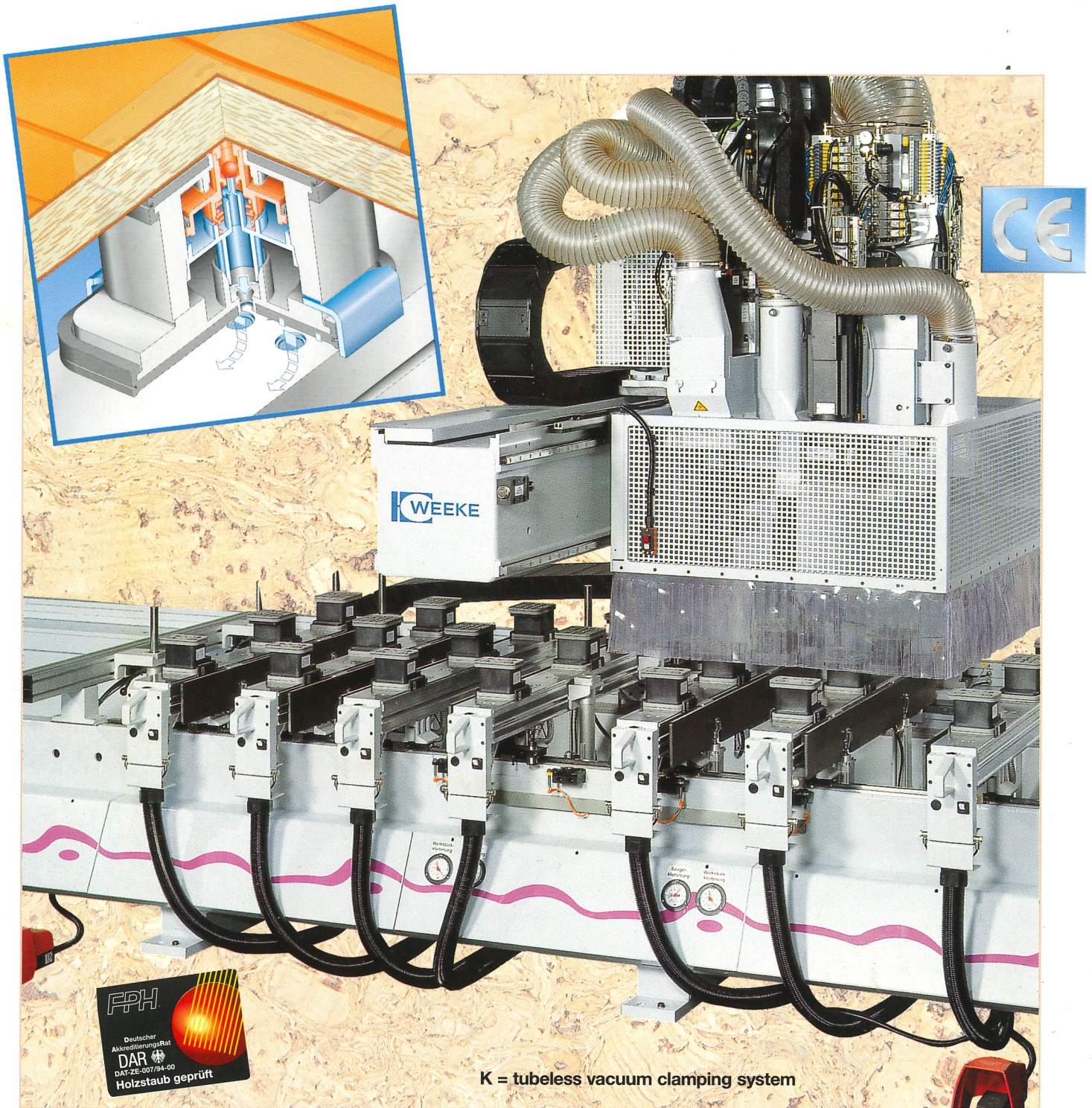


Boring aggregate with special pitch



Holder for profiling tools

Working centre OPTIMAT BP150/K and BP155/K



K = tubeless vacuum clamping system

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