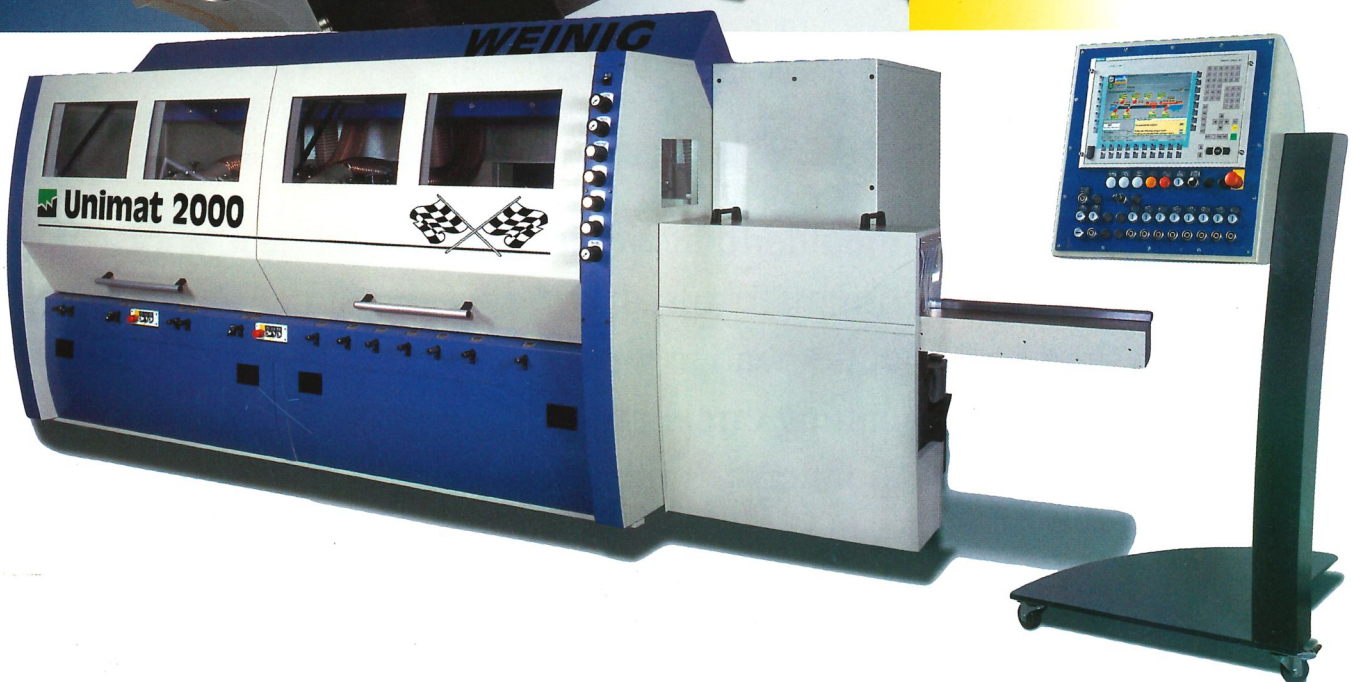


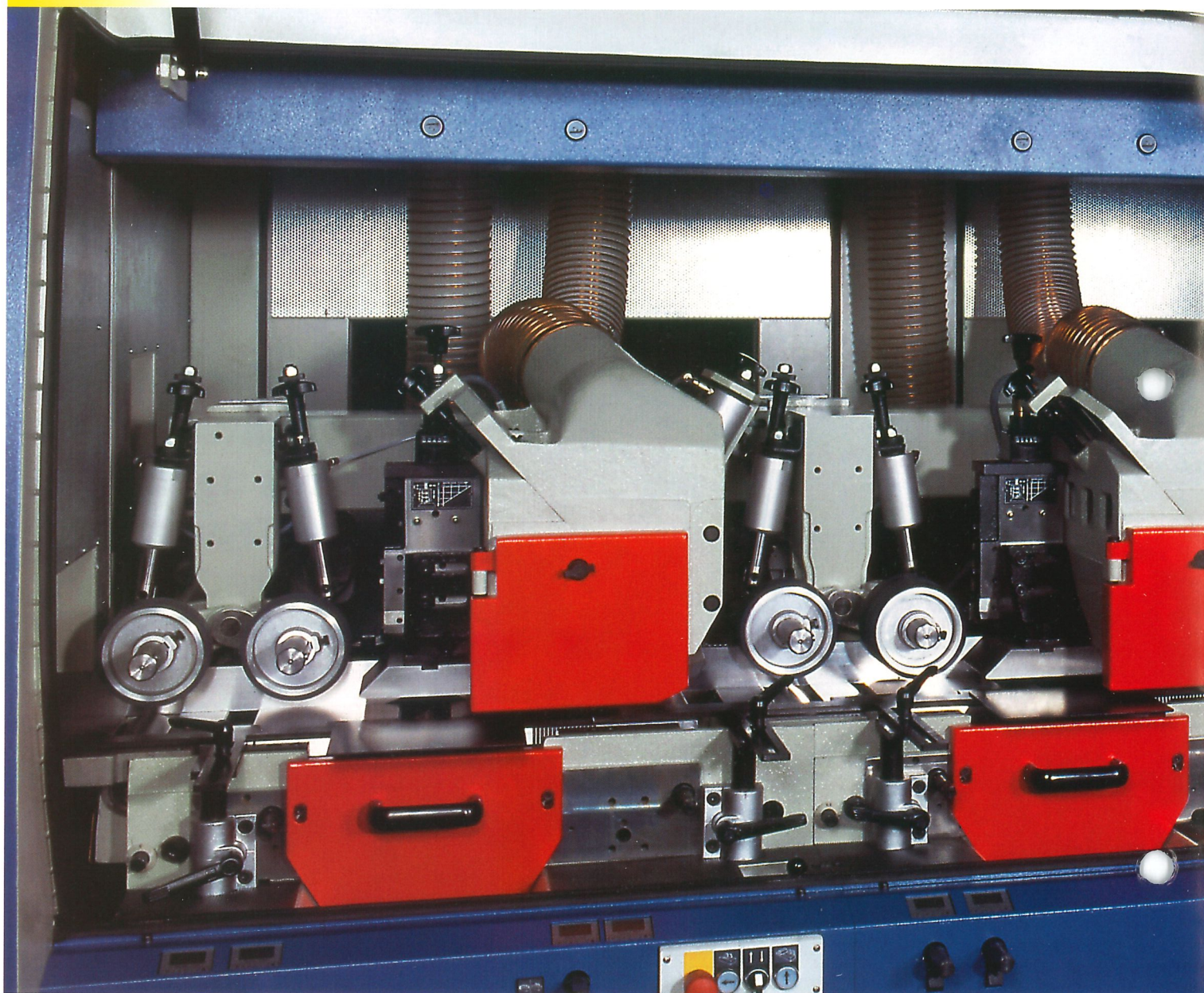
The new high performance class

Weinig Unimat 2000 Speed

**The newest
moulder.
With double
the feed speed
and reduced
set-up time.**



**Weinig Unimat 2000 Speed.
Profitable production of small
and medium batches. At last.**



Up until now, if you wanted a top quality surface finish, you had to machine your product at slow feed speed. If you wanted to produce at high speed and still get a good surface finish, you needed a

moulder that would bring all knives in the cutterhead to a precise cutting circle by using „jointers“, a time-consuming procedure that does not pay off unless you run large batches. The Weinig Unimat

2000 Speed solves this dilemma. The stability and accuracy of the PowerLock system are so high that the tooling can turn at 12,000 revolutions per minute and produce the high quality surface finish

Weinig is famous for. And this at feed speeds of 65 to 100 ft/min. (20 to 30 m/min.). Even better, with the new Weinig PowerLock cutterheads, no spindle wrench is needed. The cutterheads are clam-

ped onto the tool holder at the push of a button.

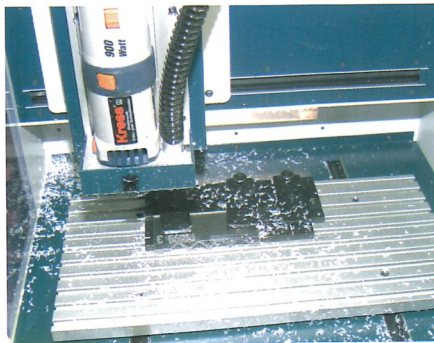
Weinig PowerLock tooling, changes in a matter of seconds. For maximum profile depth. For excellent surface finish and high output.
Weinig patent DE 197 56 280.

Weinig PowerLock cutterheads. The flexible tool system for high feed speeds and superior surface quality.

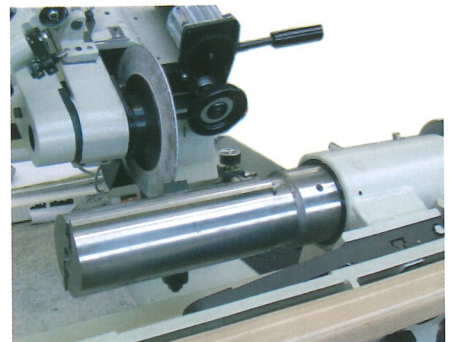


Weinig PowerLock tooling with hollow shaft clamping: highly accurate

Available with high-speed steel, Stellite or carbide knives. For any type of wood, for MDF and similar materials. For speeds of 12,000 rpm. For double the feed speed. For superior surfaces. Weinig patent DE 197 56 280.



Production of a profile template for the Weinig knife grinder.



Profiling and regrinding knives on the Weinig Rondamat 960 or 970.

For small and medium runs set-up time is paramount.



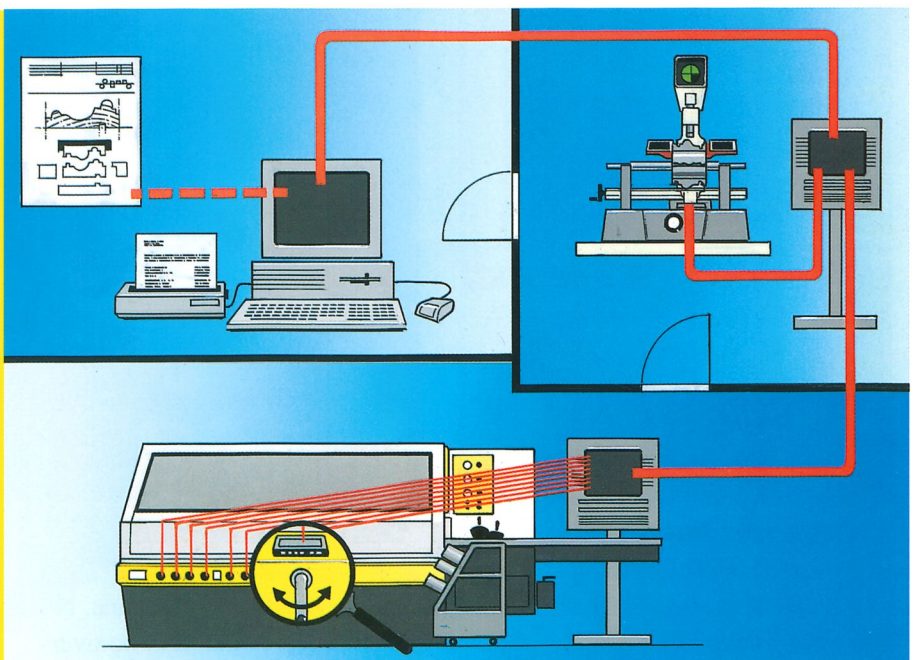
With the **Weinig OptiControl** measuring and information system, setting is faster and more accurate. It is best done with the **LogoCom** software. You enter the profile dimensions into the computer, the measuring stand calculates the tooling dimensions, and seconds later you have the tool positioning data on the screen. Done. No set-up pieces, no setting errors.

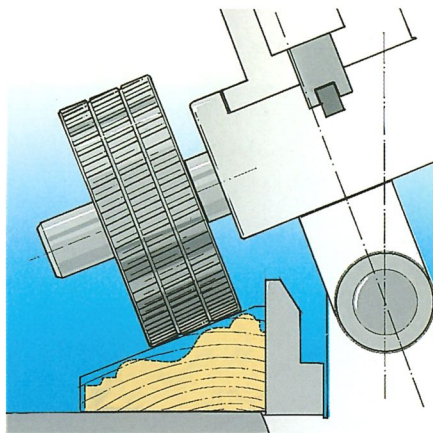
Ask for our special OptiControl brochure.

Online & safe.

If your moulder has the **CAS LogoCom system**, all data can be transferred from the OptiControl measuring system to the industrial PC with the LogoCom system. The setting data is automatically displayed at each tool holder. An efficient system which reduces the machine set-up time further.

Our recommendation:
Ask for our CD-ROM with details on the CAS LogoCom system.



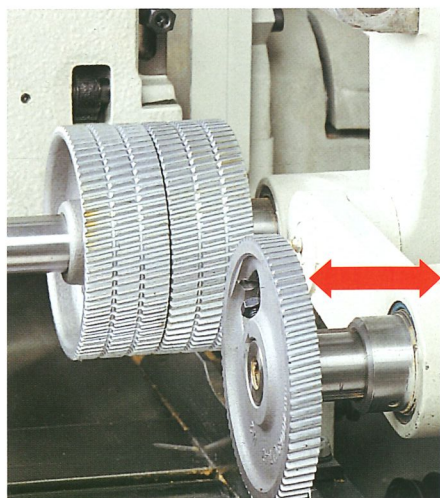
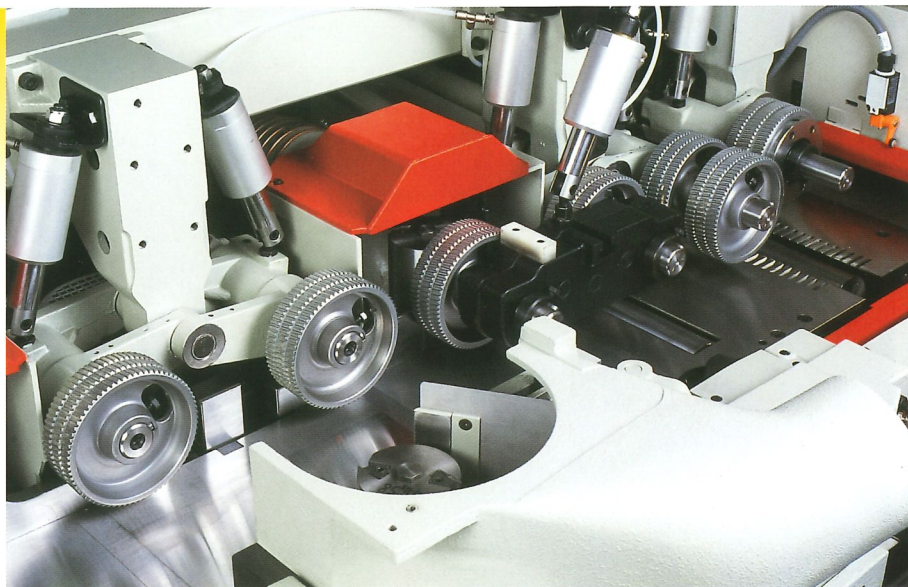


Tiltable feed

The feed can be tilted up to 30 degrees to allow feeding of workpieces cut at an angle or step-laminated raw material. Saves wood! Reduces cost!

Improved feed system

Numerous feed wheels on the feed beam and driven rollers in the table ensure smooth material feeding and high product quality.



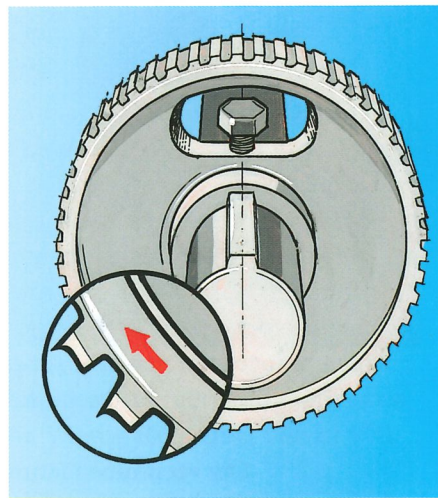
Telescopic feed roller

opposite the left tool holder. Fast and infinitely variable from narrow to wide workpieces.



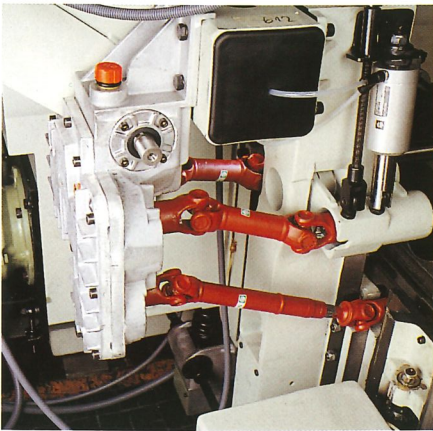
Central location of lubrication points,

therefore low maintenance. No lubrication points will be overlooked, not even those for the axial adjustment of the tool holder.



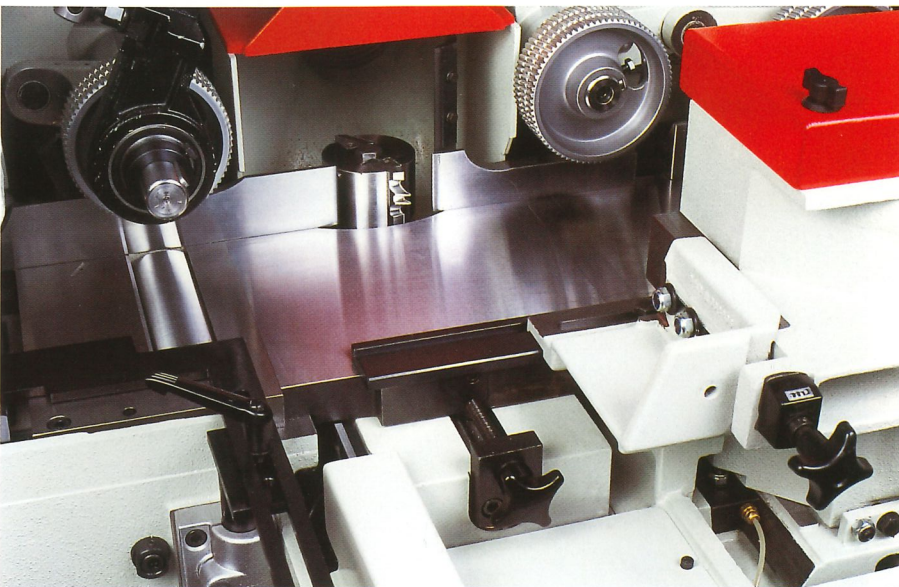
Chromed feed rollers

with special tooth design for reduced penetration into the wood. Weing patent!



Chainless cardan feed system

smooth, strong, durable and almost maintenance-free.

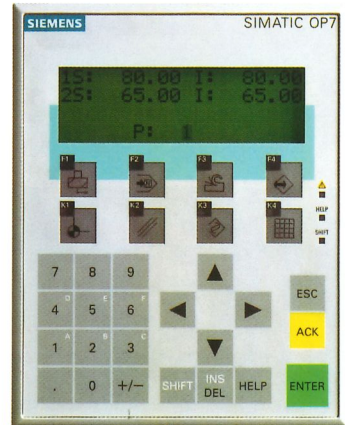
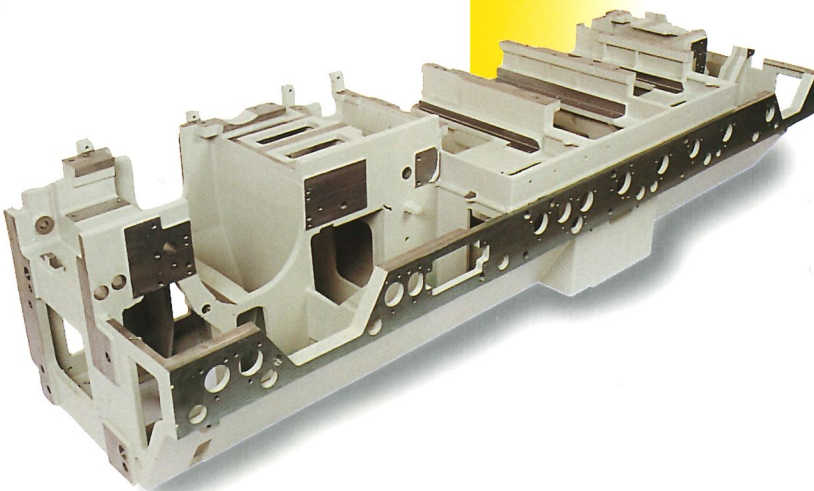


Rapid adjustment of table insert

Adjust the table plate to the cutting circle for maximum material support.

Heavy cast-iron frame dampens vibration

Cast iron, still the best material to ensure a superior surface finish.



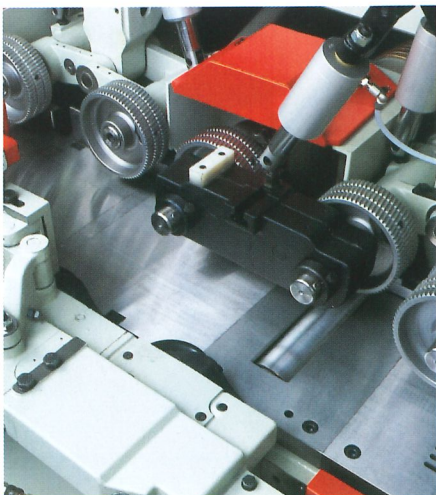
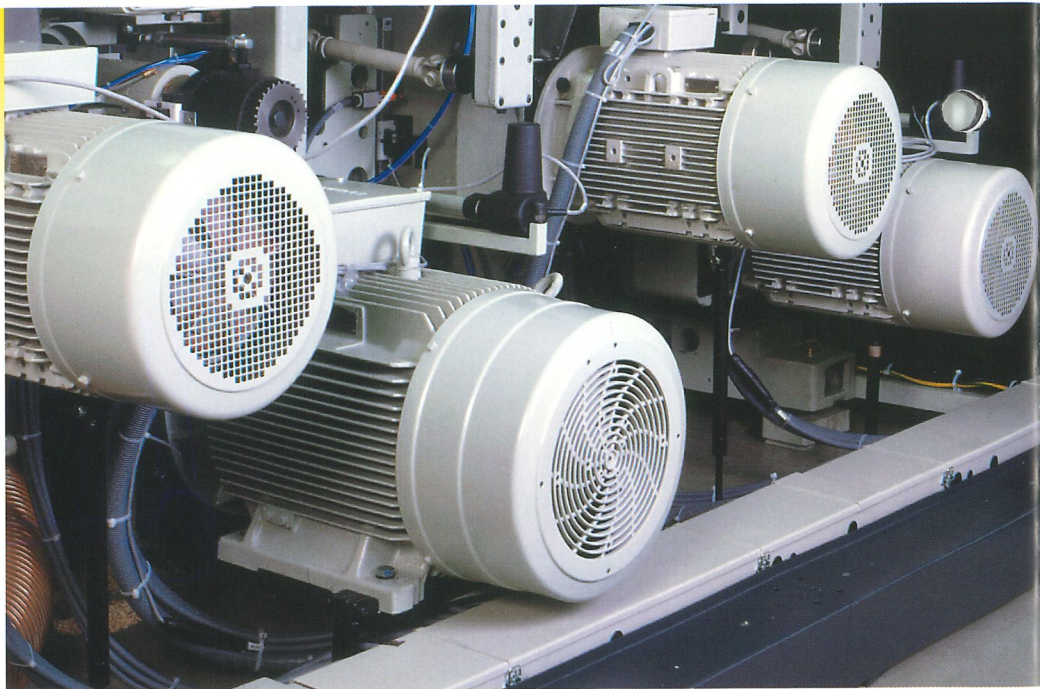
ATS system (Optional)

Up to 200 dimensions at the push of a button. You can program up to 200 workpiece dimensions and call them up by pushing a button. Left and top tool holders automatically move to correct position. Accurate to +/- 0.002" because the tool radius is taken into account. Even the first workpiece is to dimension.



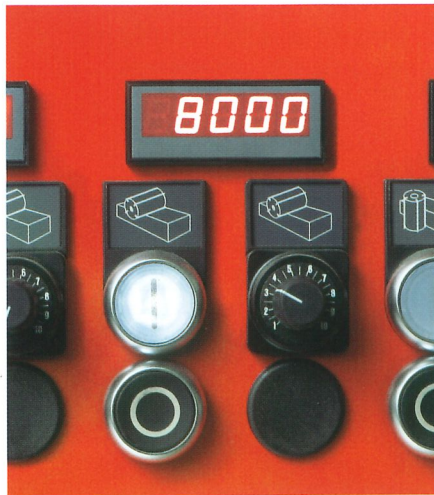
High motor horse power

for high feed speed and large profiling depth. Motors up to 50 HP (37 kW) are possible.



Side pressure rollers

to control short and narrow pieces.



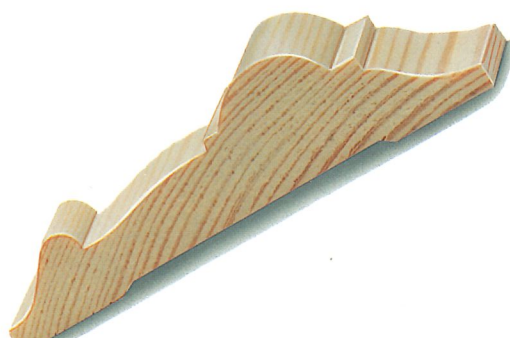
Adjustable tool revolution speed (Optional)

from 4,000 to 12,000 rpm, depending on the timber species, required surface quality and feed speed.

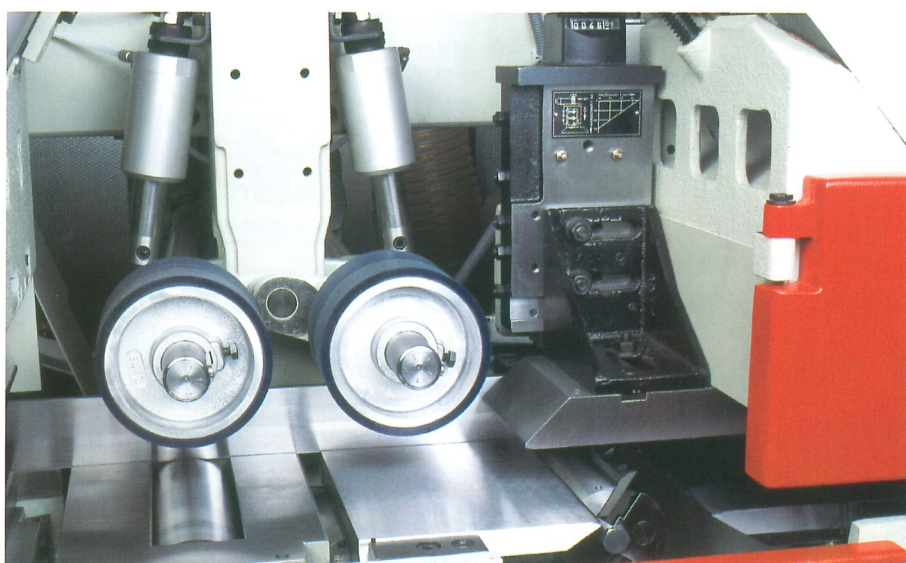


Adjustable outfeed table after the bottom profile tool holder

Rapid setting. Flexible manufacturing.

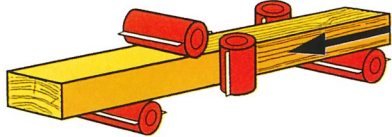


Pneumatic roller pressure
 for workpieces with extreme thickness variations. Straightening or edge jointing? The infeed roller in front of the straightening tool holder is moved up and down by the flip of a switch.

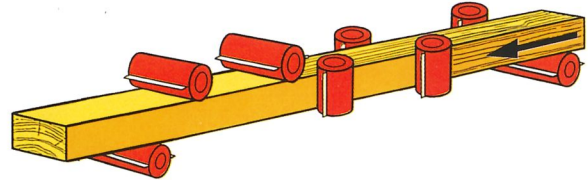


Precise material guiding after the top and above the bottom tool holder
 Optimal surface quality and dimensional tolerances. Driven outfeed rollers above and in the table: positive outfeed of workpieces, even if they are very thin. The table roller is height adjustable.

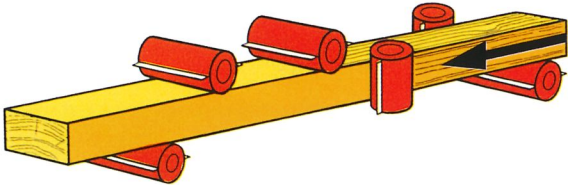
The most typical tool arrangements of the Weinig Unimat 2000 Speed



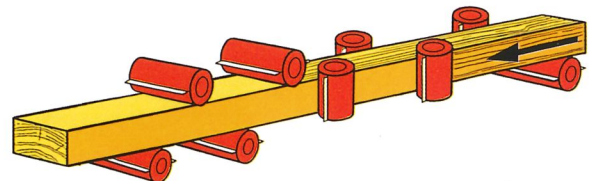
017 bottom – right – left – top – bottom



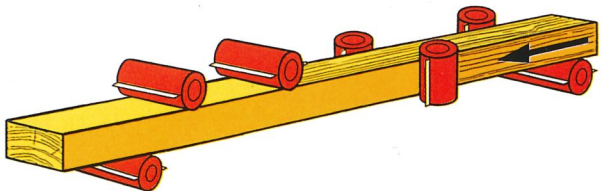
025 bottom – right – left – right – left – top – top – bottom



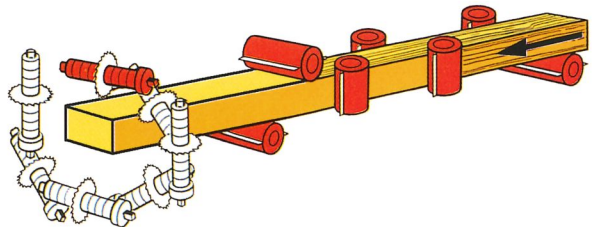
018 bottom – right – left – top – top – bottom



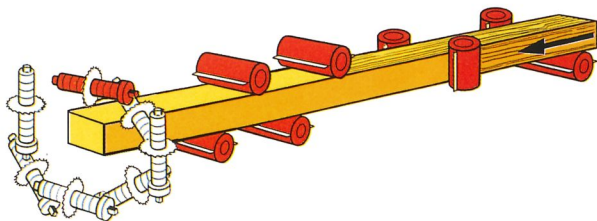
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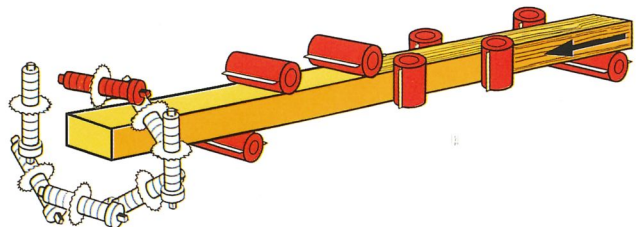
012 bottom – right – left – right – top – top – bottom



028 bottom – right – left – right – left – top – bottom – universal



014 bottom – right – left – right – top – bottom – top – bottom – universal



029 bottom – right – left – right – left – top – top – bottom – bottom – universal

... and many more.

Weinig offers more

Powerful standard equipment

Working width (at a tool cutting circle of 93 mm)	20-230 mm
Working height (at a tool cutting circle of 160 mm)	10-160 mm
Number of tool holders (min.-max.)	5-9
Motor horse power per tool holder	7,5 kW/10 HP
Motor power of feed system	4 kW/5.5 HP
Speed of tool holders	12,000 rpm
Tool cutting circles: 1st bottom tool holder (min.-max.)	93-180 mm
Left vertical tool holder (min.-max.)	93-232 mm
Right vertical tool holder (min.-max.)	93-250 mm
Top horizontal tool holder (min.-max.)	93-225 mm
Bottom horizontal tool holder (min.-max.)	93-250 mm
Feed speed infinitely variable	6-36 m/min. (20-120 ft/min.)
Electronically adjustable cardan feed system	
Diameter of feed rollers	140 mm
Width of feed rollers	2 x 50 mm
Width of feed rollers opposite left tool holder	2 x 20 mm, 1 x 10 mm
1st pendulum pneumatically moved	
Driven rollers in the outfeed table, diameter	101 mm
Width of roller in the outfeed table	210 mm
Pneumatic pressure of feed rollers, max.	6 bar
Adjustment range for straightening table and edge jointing ruler	10 mm
Adjustment range of vertical tool holders (axial)	55 mm
Adjustment range of horizontal tool holders (axial) excluding 1st bottom	40 mm
Length of straightening table	2 m
Setting accuracy of mechanical digital displays	0,05 mm
Noise protection and safety enclosures	
Divided pressure bar in front of top tool holder	
Receding pressure bar in front of top tool holder	
Motor driven up-down adjustment of feed system	
Side pressure roller opposite first right tool holder	
Table plates exchangeable and adjustable to cutting circle of the vertical tool holders	
Hardened bed plates (excluding infeed table)	
Interior light	
Free-standing operating pane	

Useful accessories/optional equipment

Tool holder speed infinitely variable	4,000-12,000 rpm
Mobile tool holder for varying workpiece width	
Brake motors for tool holders	
ATS System	
Motor horse power increase for tool holders	up to 37 kW/50 HP
feed system	up to 11 kW /15 HP
Additional infeed roller in front of 1st tool	
Groove guide for short, bowed and twisted	
Reduced distance feed unit	
Tool measuring stands	
Feeders	
Central location of lubrication points at the front of the machine	
Universal tool holder	
Country-specific safety packages	
Anti-kick back device	
Short infeed table	
Infeed table 2,5 m or 3 m long	
Waxilit manual or automatic	
CAS LogoCom, computer-aided setting	
Adjustable outfeed table	
Feed beam, 0-30 degrees tiltable	
Motor-driven adjustment of straightening table and edge jointing ruler	
Pneumatic clamping of tool holder adjustment slides	
Driven roller in the machine table	
Weinig PowerLock cutterheads	
CNC-controlled template cutting device	
Profile grinder Rondamat 960	

We reserve the right to make technical changes. Statements and pictures in this brochure may also include optional extras which are not included in the standard serial equipment. Some of the photographs show the machine with the protective covers removed.

The Weinig Group:

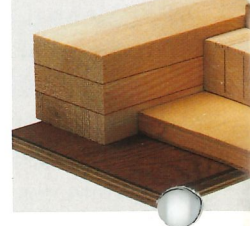
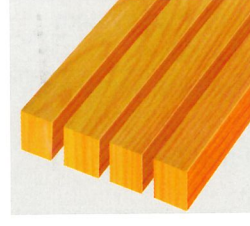
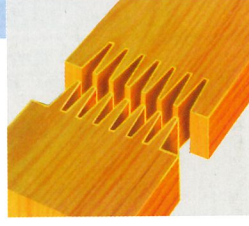
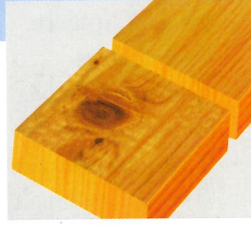
Solid wood machining know-how with an edge

- **Weinig:** World market leader for automatic moulders
- **Waco:** The No.1 for high-speed planers and moulders
- **Grecon:** High-capacity finger jointing lines

- **Dimter:** The specialist for optimizing cross-cut saws and laminating presses

- **Raimann:** Top technology for length cutting

- **Concept:** The experts when it comes to turnkey projects



- Please send me detailed information
- Please arrange a personal consultation

I am interested in

- The entire range of the Weinig Group
- The Weinig range
- The Waco range

- The Grecon range
- The Dimter range
- The Raimann range
- The Concept range
(please mark with "x")

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Street/P.O.Box _____

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Weinig offers more!

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