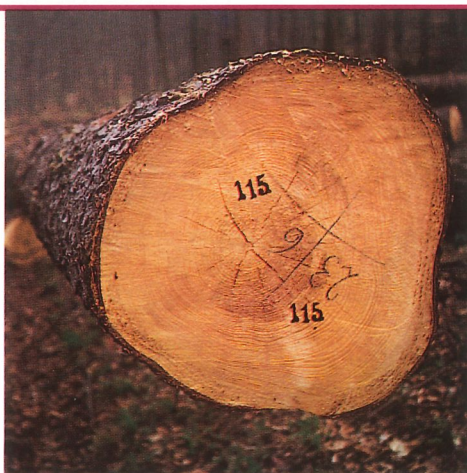


# Unimat

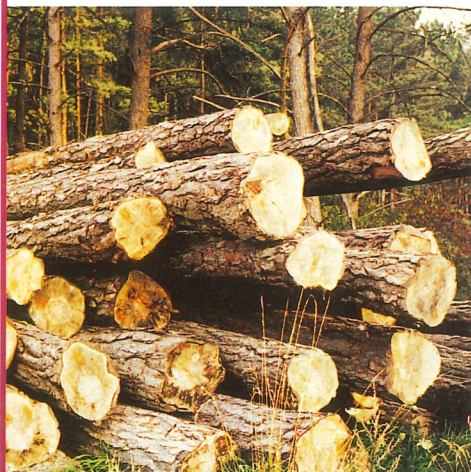
The world's best-selling moulder can help to make your products best sellers as well!



## 17 A



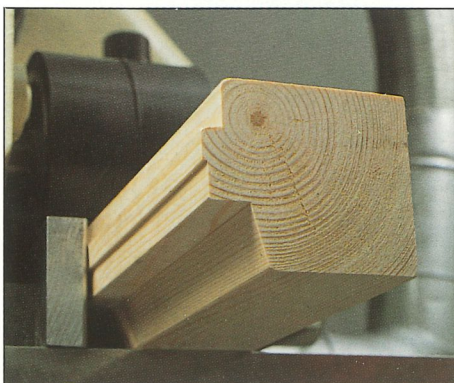
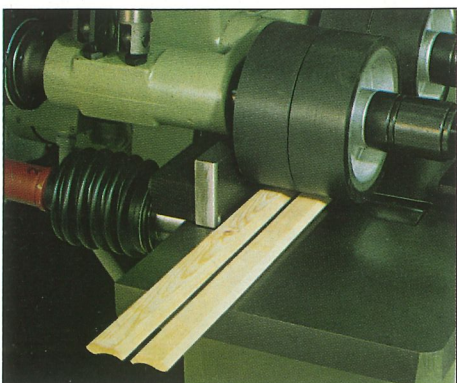
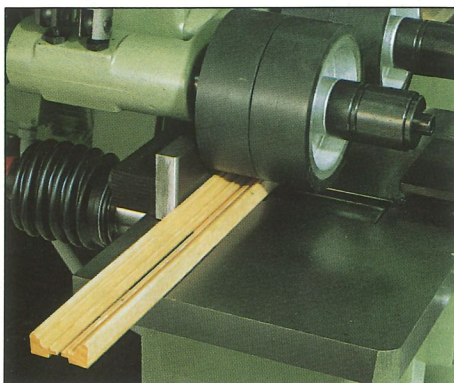
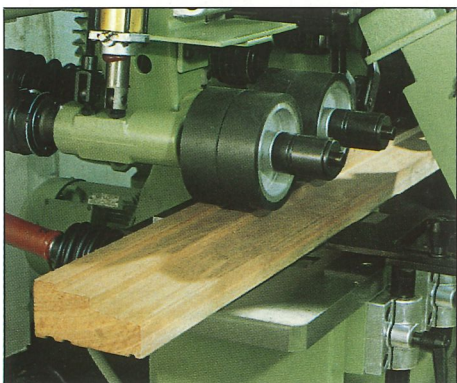
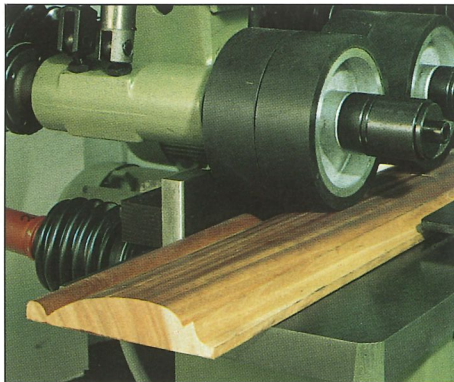
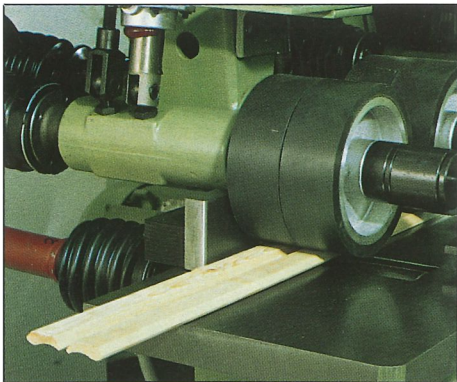
## 22 E



# Thousands of companies like yours already work with the Unimat. To find out why, read on.

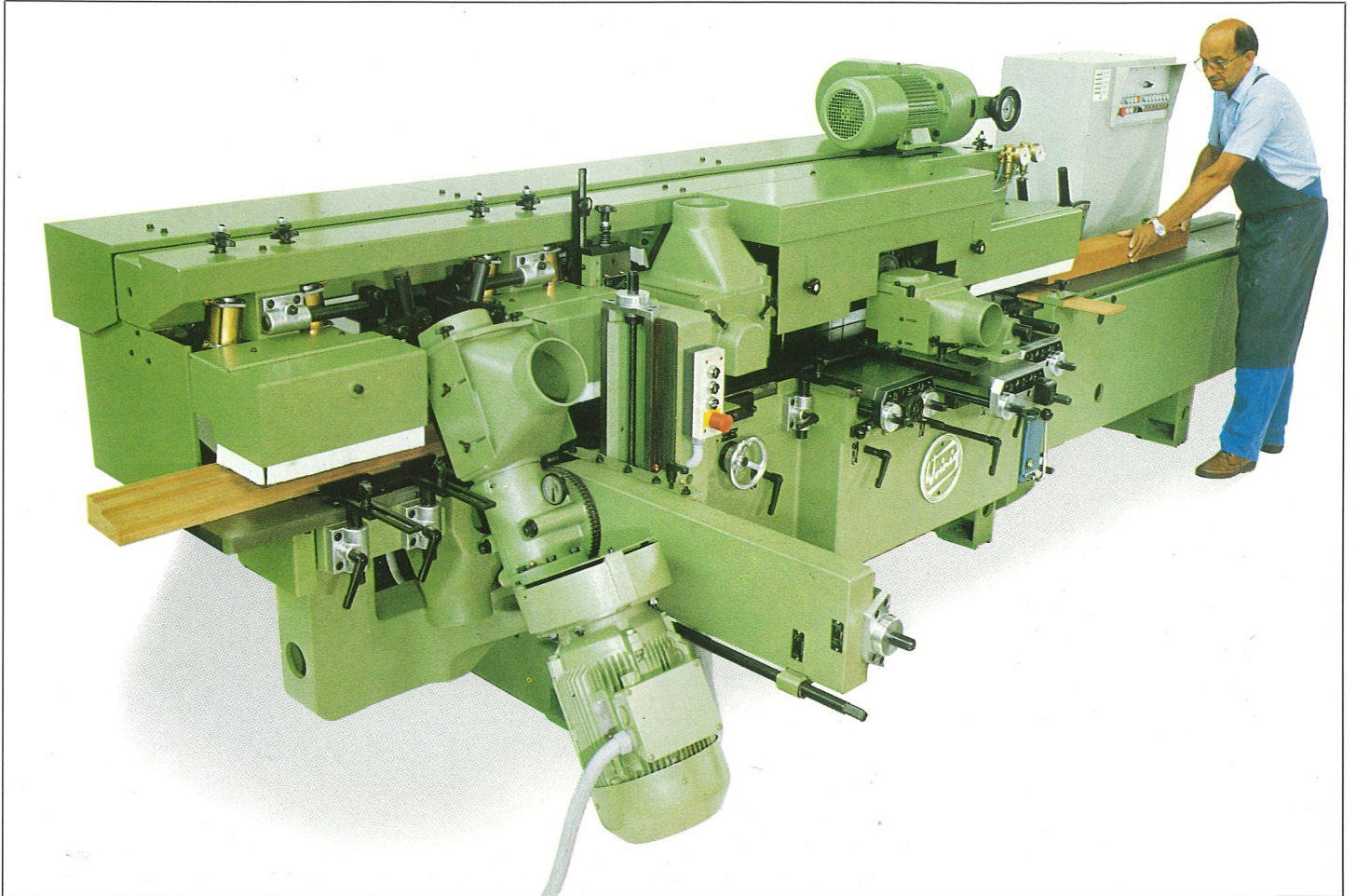
The more the companies who select the Unimat, the more those who persist in using outdated single-purpose machines will be left behind. These machines are slower, less accurate and more expensive.

Here an automatic moulder enabling one single operator to do straightening, edge-jointing, four-side planing and moulding in one go. And there is a group of single-purpose machines, each of them requiring a lot of space and its own operator. Not a particularly economical proposition.

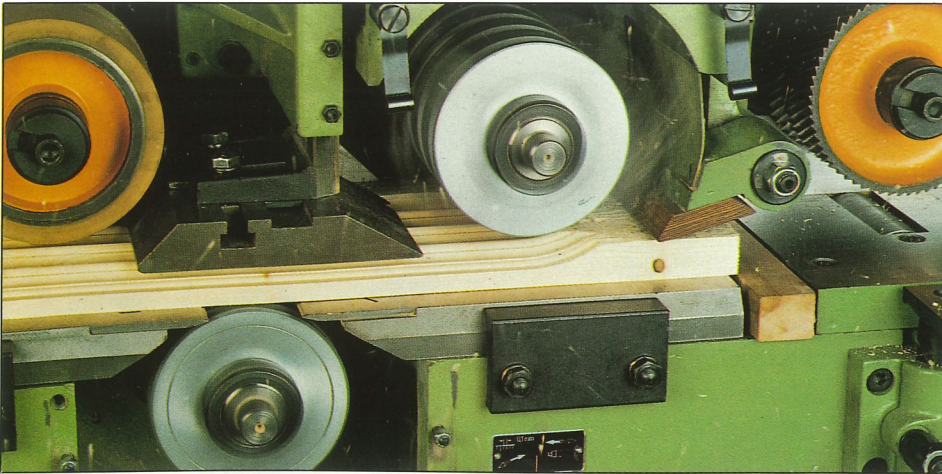


When you consider that the Unimat also provides an extremely smooth surface finish and highly accurate profiles you will realize why more than 1.500 of these high performance four-siders are installed all over the world every year, in window and door factories, furniture companies, in the moulding industry, throughout the wood-working sector, in fact. And because no moulder can incorporate as much experience as this best-selling machine, these companies naturally bypass the second-best and opt for the Number One four-sider, namely the Unimat. You would be advised to follow suit.

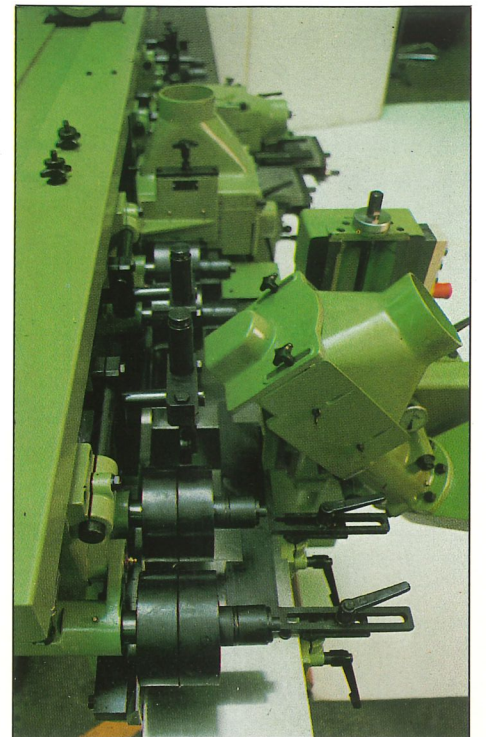




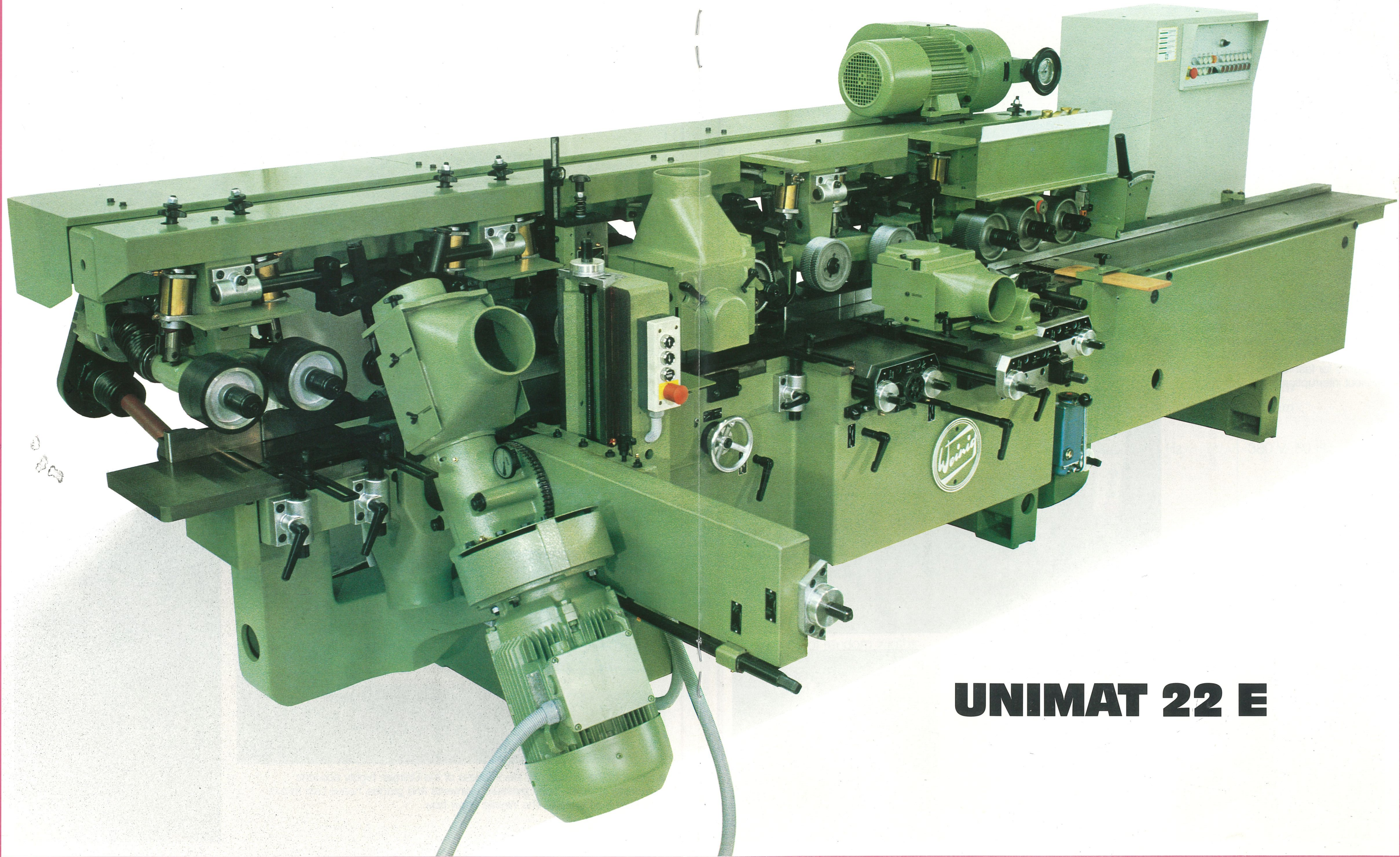
▲ Window production with the Unimat:  
Short set-up times for small batch production keeps costs down!



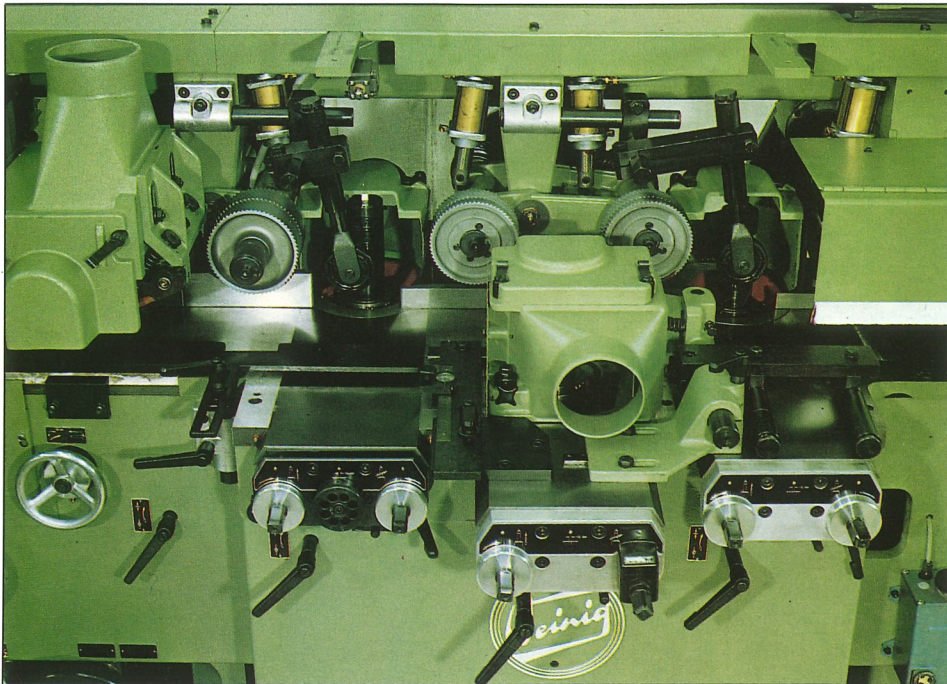
▲ Some of the reasons for the success of the Unimat: highly accurate working spindles, solid pressure elements and guides, heavy cast frame, mature feed system. The Weing know-how.



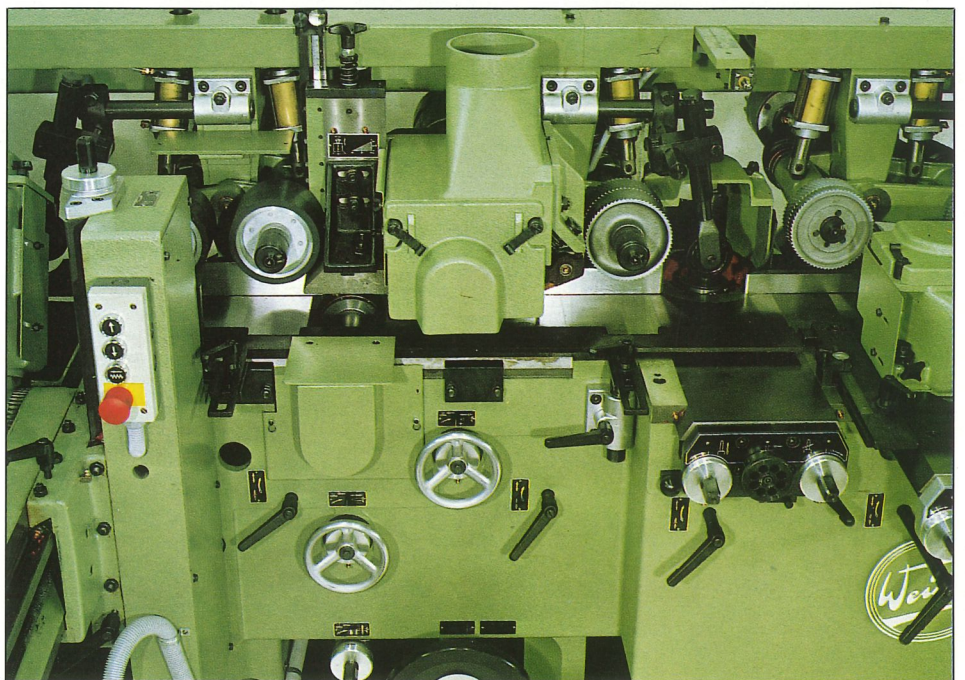
# Unimat – the universal moulder



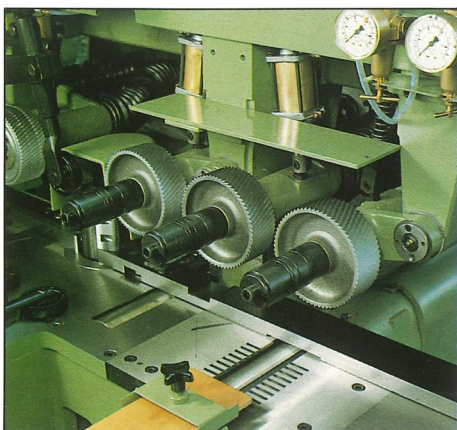
**UNIMAT 22 E**



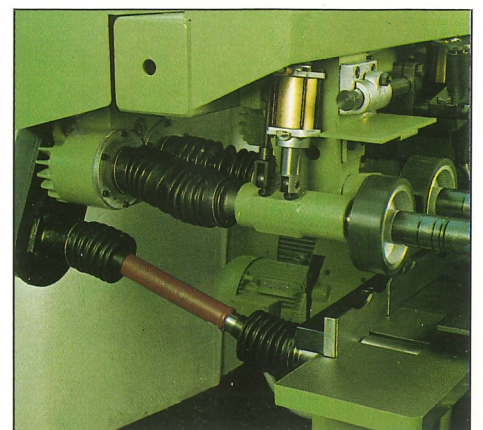
▲ Adjustment devices, pressure elements, guides and feed rollers are designed for fast resetting: production without interruption!



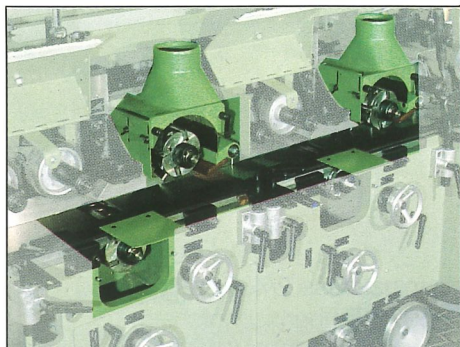
▶ Extremely short distance between top and bottom spindle and a sophisticated profile guide make for perfect surface finish and accurate profiles.



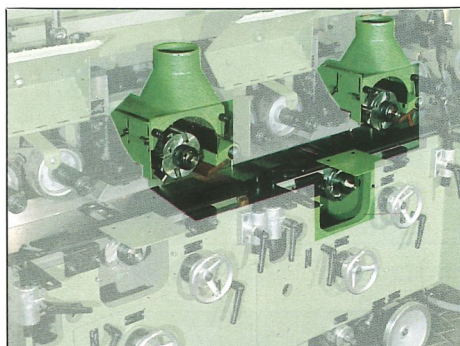
◀ Standard features of the Unimat include noise-reducing table plates, infeed roller with height adjustment, two feed rollers between first and second spindle – and as extras the powered or idle rollers in the table, supporting the feed system when machining extremely hard or wet timber.



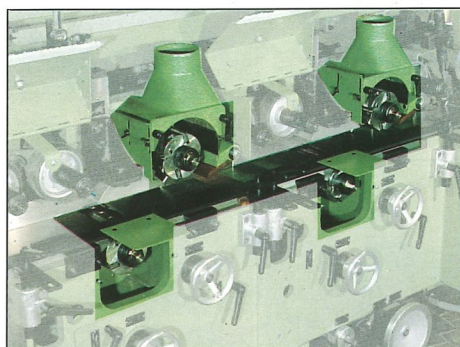
# The modular system



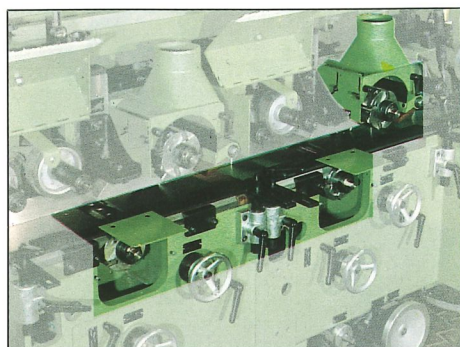
Spindle arrangement:  
top - top - bottom



Spindle arrangement:  
top - bottom - top

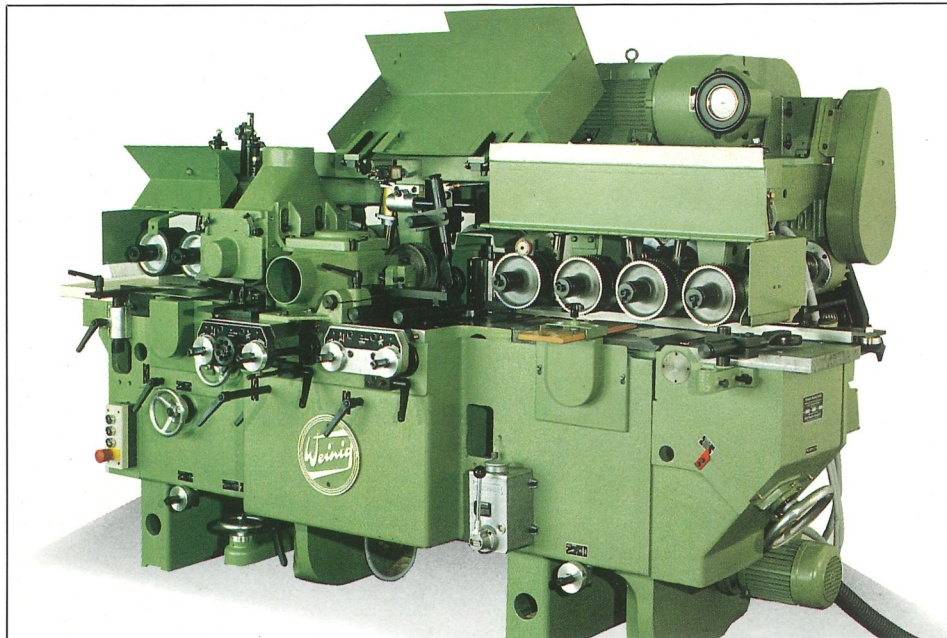
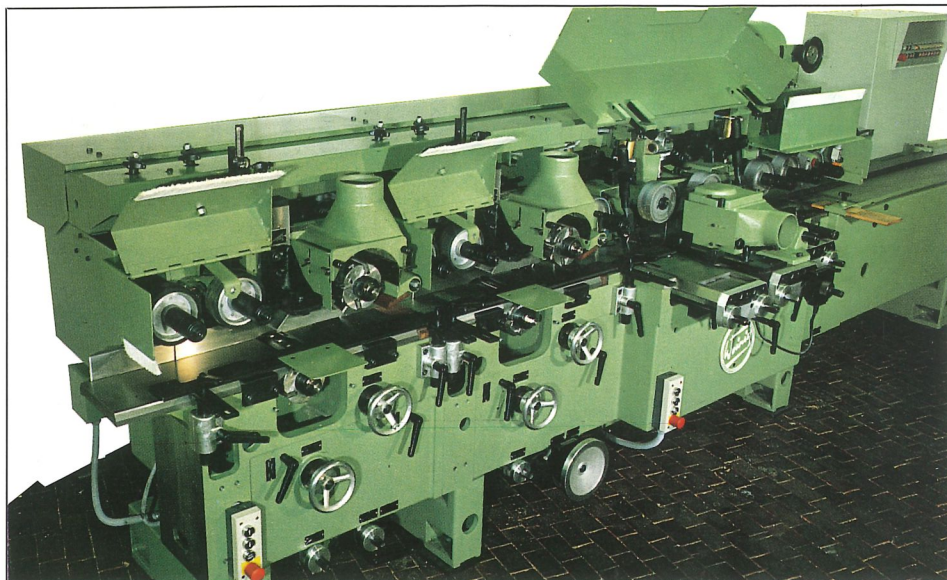


Spindle arrangement:  
top - bottom - top - bottom



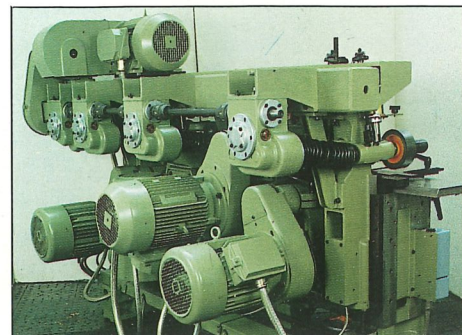
Spindle arrangement:  
top - bottom - bottom

Additional top and bottom horizontal spindles make the standard Unimat a tailor-made Unimat for your specific production requirements.

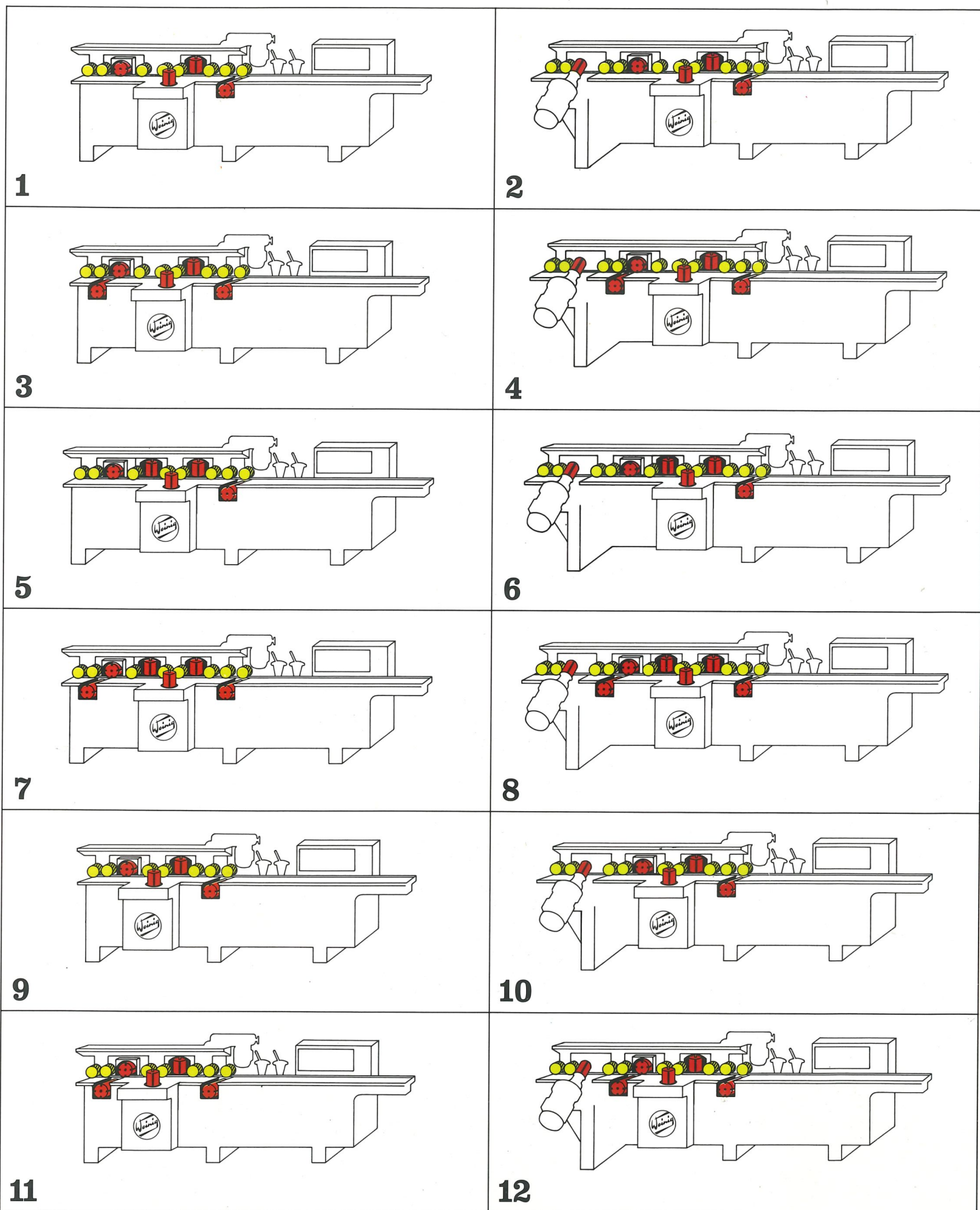


▲ Instead of the straightening table the Unimat can be equipped with a short infeed table. Two rollers above and an idle roller in the table ensure trouble-free workpiece infeed.

▶ The chainless feed system is almost maintenance-free!



# The basic models. Meeting almost all special requirements.



red = working spindle  
yellow = feed roller

# Technical data

Standard technical data	Unimat 17 A	Unimat 22 E
Working width*	170 mm	220 mm
Working height*	120 mm	120 mm
Spindle motors	4 KW (5.5 hp)	4 KW (5.5 hp)
Feed motor	2.2 KW (3 hp)	2.2 KW (3 hp)
Spindle speed	6000 rpm	6000 rpm
Spindle diameter	40 mm	40 mm
Minimum cutting circle	100 mm	100 mm
Maximum cutting circle		
1st bottom spindle	160 mm	160 mm
vertical and universal spindles	180 mm	180 mm
2nd right-hand spindle	195 mm	195 mm
top spindle	(15 mm deep)	(15 mm deep)
bottom spindle	200 mm	200 mm
bottom spindle	180 mm	180mm
Feed speed, infinitely variable	6-18 m/min.	6-18 m/min.
Feed roller diameter	140 mm	140 mm
Feed roller width	50 mm	2 x 50 mm
Range of adjustment for table and edge-jointing ruler	10 mm	10 mm
Range of adjustment for vertical spindles	40 mm	40 mm
Range of adjustment for horizontal spindles (axial)**	30 mm	30 mm
Length of table	2 m	2 m
Straightening operating voltage	380 V / 50 Hz	380 V / 50 Hz

\* For cutting circle of 125 mm

\*\* Not for 1st bottom spindle

## No moulder is as easy to adapt to your specific needs as the Unimat.

1. Reinforced spindle motors – up to 11 kW (15 hp)
2. Mobile spindle for workpieces of random widths
3. Spindle brakes – electronic or mechanical
4. Special profile guides, table plates und fences
5. Pneumatic feed rollers
6. Anti kick-back for splitting work
7. Lateral pressure rollers for short workpieces and small cross-sections
8. Straightening table extended to 2.5 meters
9. Hard chromed machine tables and fences
10. Idle or driven table rollers
11. Groove guide for short non-trimmed workpieces
12. Additional feed rollers for extremely short workpieces
13. Motorized tiltable feed for non-square raw material
14. Protective covering for feed rollers and pressure elements
15. Setting and measuring facilities
16. Feed magazines
17. Mechanical and electronic digital read-outs to reduce setting time
18. The ATS system – a new size set at the press of a button

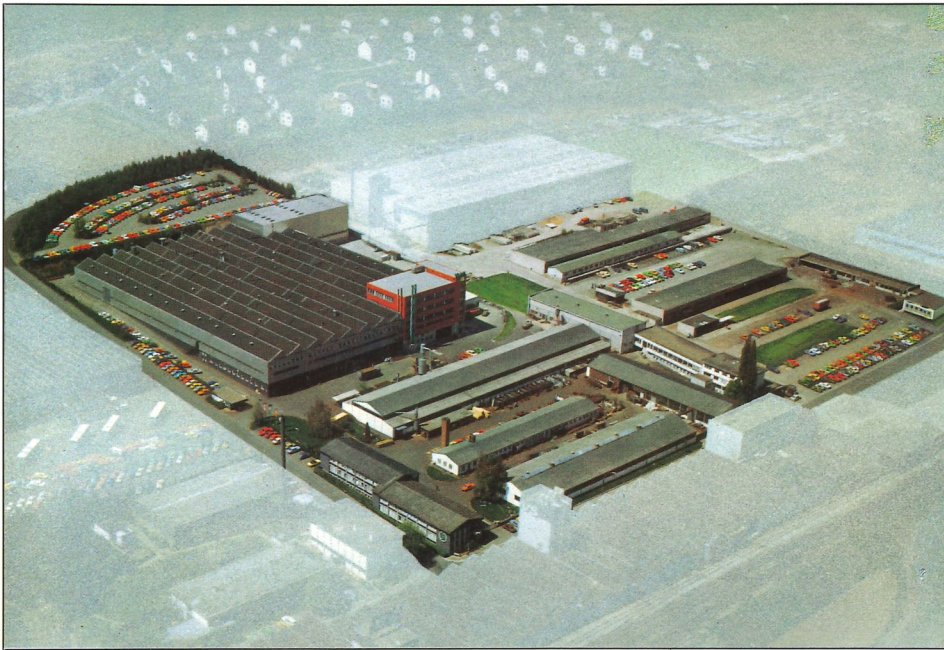
**Let's talk about it.**





# Michael Weinig GmbH

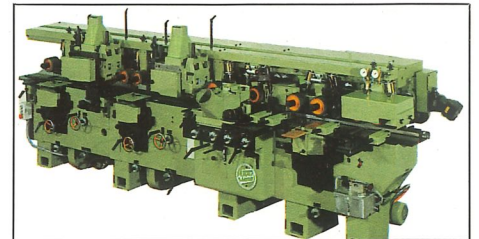
Weinigstrasse 2/4, Postfach 1440  
D-6972 Tauberbischofsheim  
Telephone (0)93 41/86-0, Telex 6 89 511  
Telefax (0) 93 41/70 80  
West Germany



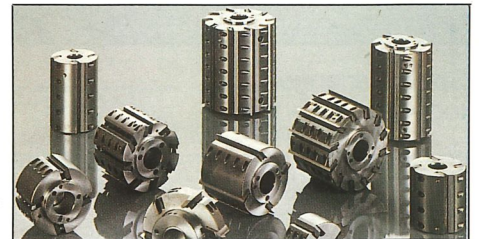
Aerial photograph of our factory in Tauberbischofsheim  
(publication approved by Reg. Präs., No. 9/54 571)



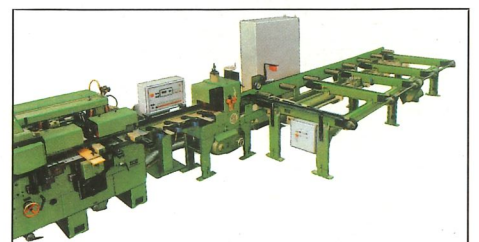
Large-batch production on a production line



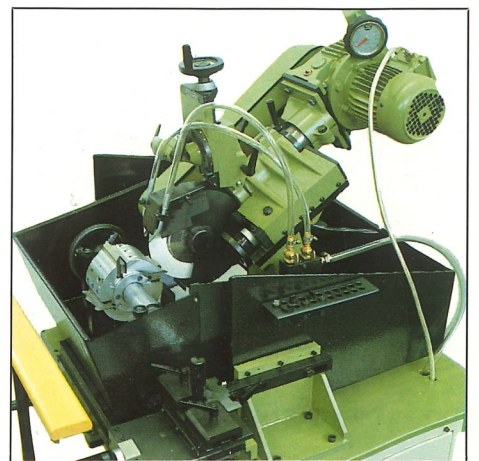
Hydromat



Original Weinig Cutterheads



Material handling equipment



Knife Grinder Rondamat