

Solid in. Profiled out.

HE HOMAG

Our Planing and Moulding Machine
MOULDTEQ M-300

YOUR SOLUTION



Prepared for the future

With the MOULDTEQ M-300 the times of the push buttons are over. The planer combines state-of-the-art technology with solid mechanical engineering. In this way, you get intuitive machine operation and maximum quality in one machine and you will be optimally prepared for the future.



Ergonomic remote control for quick and automatic adjustment of selected spindles



HOMAG powerTouch – ease of use of the next generation



Workpieces from 300 mm length onwards

Highlights

- Flexibility thanks to variable feed and variable spindle speed
- Intuitive machine operation via powerTouch
- Quick set-up with proLock spindle clamping system
- High precision due to cast iron frame
- Ideal power transmission, as each spindle is driven by its own motor

5-8 spindles with variable feed speed.

Variable spindle speed from 2nd spindle onwards of

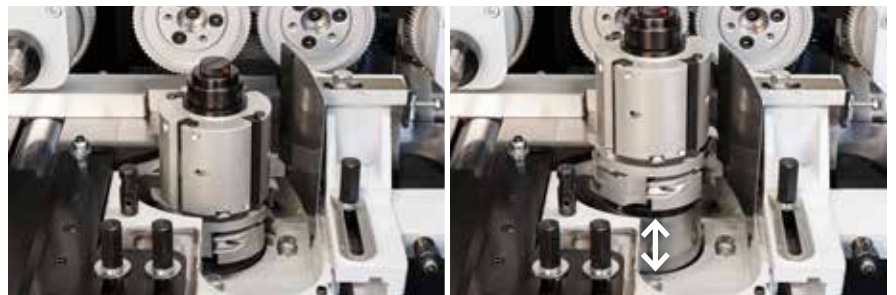
4.000-8.000 rpm

for optimal workpiece quality.

Workpieces with **300** mm length possible.



Maximum comfort through mobile control panel



Axial adjustment range up to 75 mm

From four-sided planing to complete profile processing

The workpiece is guided by linear ruler through the machine and held in place by pressure rollers. Through diverse tools, our clients have the possibility to even profile or saw the workpiece during the moulding process.

Applications

5 SPINDLES

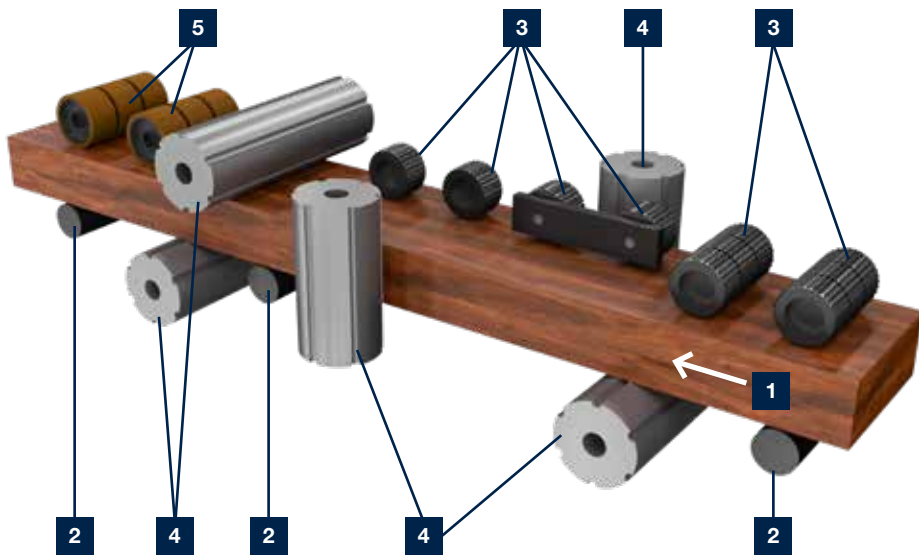
IDEAL FOR CARPENTRY SHOPS



6 SPINDLES

IDEAL FOR WINDOW, DOOR AND PLINTH MANUFACTURING





- 1** Throughfeed direction
- 2** Driven rollers
- 3** Power driven top pressure steel rollers
- 4** Spindle with planer head
- 5** Top pressure rubber rollers

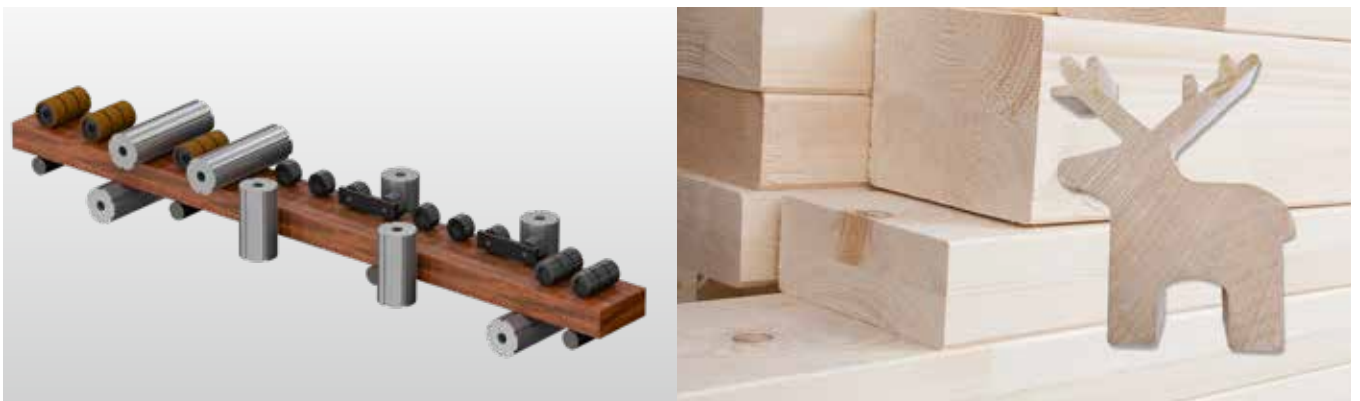
7 SPINDLES

IDEAL FOR WINDOW, DOOR AND PLINTH MANUFACTURING WITH EXTENDED PORTFOLIO

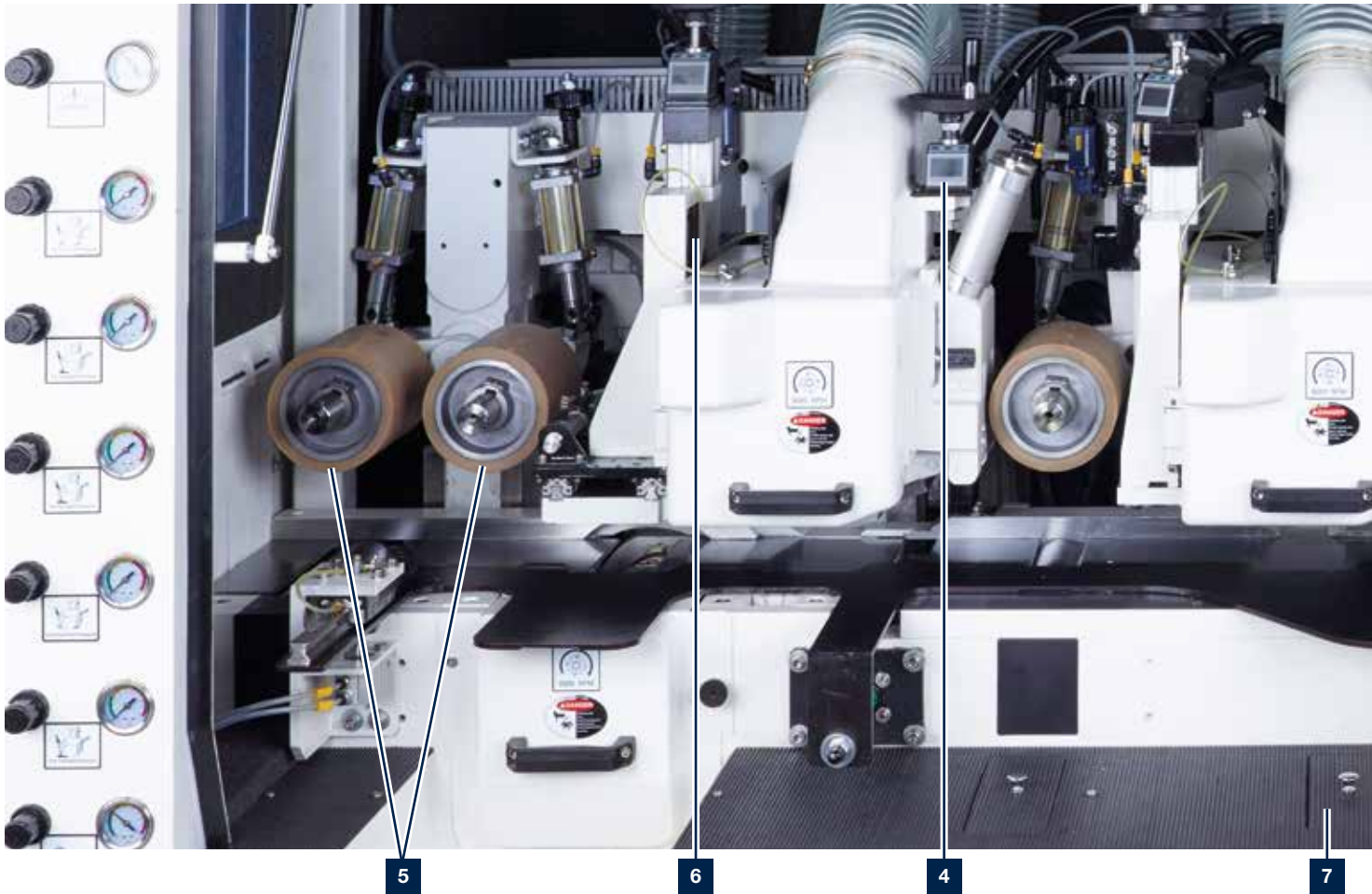


8 SPINDLES

IDEAL FOR WINDOW, DOOR AND PLINTH MANUFACTURING WITH EXTENDED PORTFOLIO



The details



Quick and easy tool change with proven proLock tool clamping system



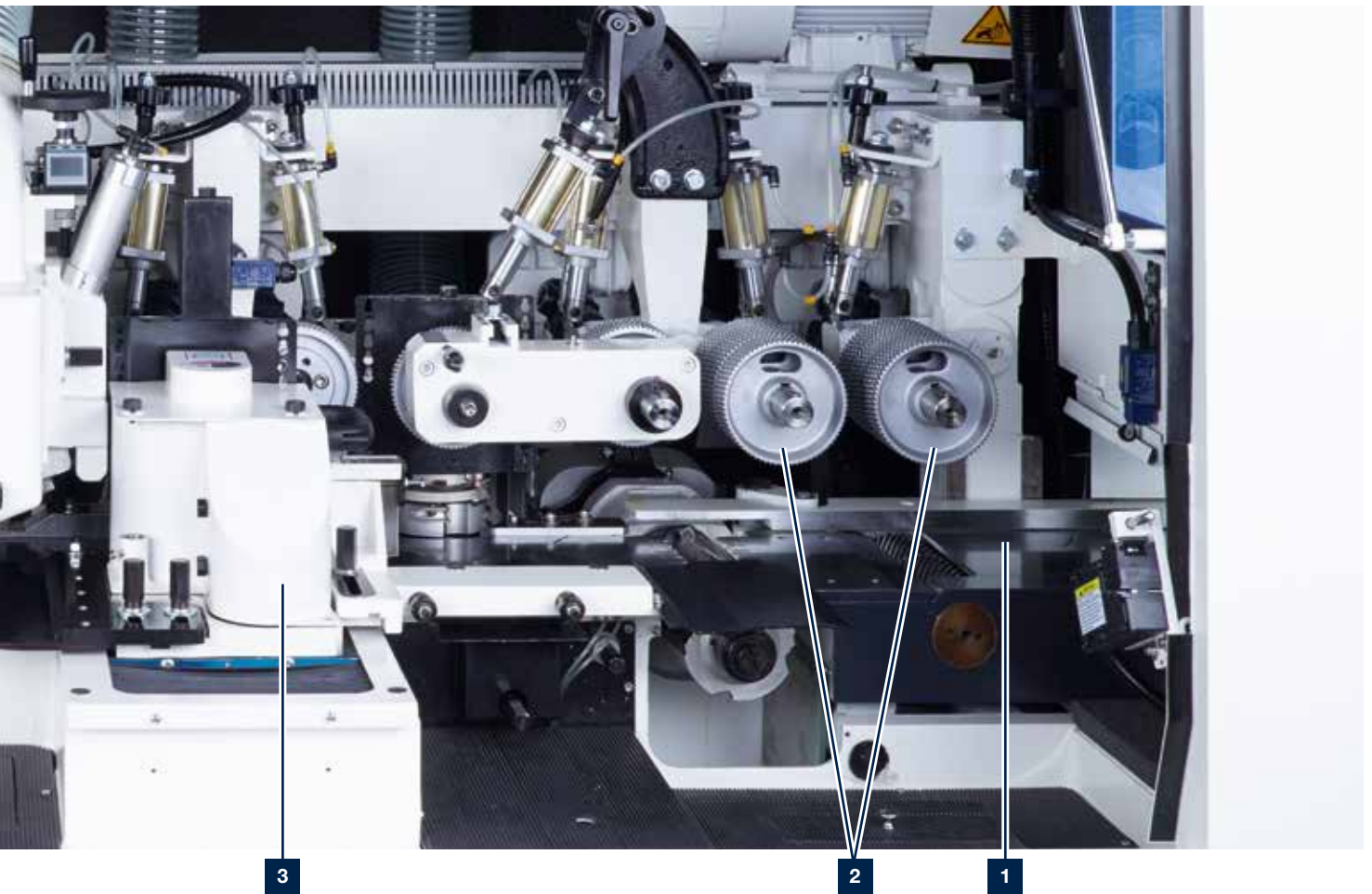
Review of radial position of tools via electronic display including target value



1
Harden chromed feeding table for long lasting service life



2
Pneumatic adjustable top feed rollers for optimum contact pressure for different profiles and types of wood (left activated, right deactivated feed rollers).



5
Top pressure rubber rollers for sensitive surfaces after processing (Shore hardness: 80)



6
Linear guide for precise adjustment of the top spindles for optimal work piece quality



7
Accessible central lubrication at machine front



Option – Universal spindle

On each normal spindle configuration there's the possibility to add at the end a universal spindle as option. This spindle is 360° moveable und offers the possibility to be always on the right place, where you need it the most. If you need again and again different spindle configurations, for example as profile moulding producer, this option is perfect for you.

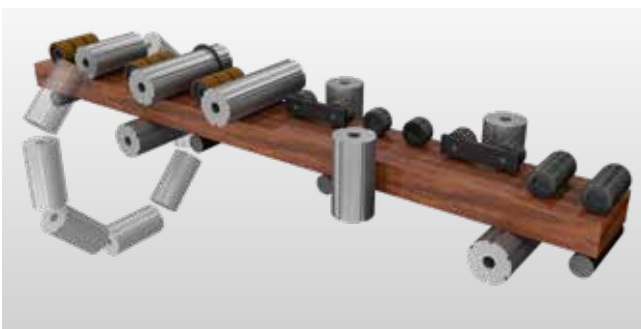
5 SPINDLES



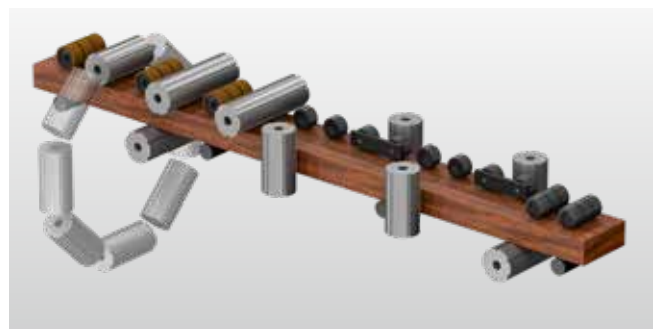
6 SPINDLES



7 SPINDLES



8 SPINDLES



Further options

WOULD YOU LIKE SOMETHING EXTRA? Our options provide all opportunities for perfect customising of your Planing and Moulding Machines.



Grooved machine table

Before the first bottom spindle is a special profile cutter head, which moulds the grooves into the workpiece. A grooved bed may be the best solution to keep the work pieces from moving side to side. Thus, providing a very accurate finished product as required in wood component and furniture part processing. On the last bottom spindle the grooves in the workpiece get planed away. The grooved machine table you can use especially for short, moved or curved workpieces.



Telescopic feed roller opposite the left spindle

Depending on the requirements there's the possibility to move the position of the feed rollers. So if you have a high variance of profiles or workpiece widths on the moulder you can set up more fast.



1,200
service employees around the world



5,000
Customers in training / year

> 90%
less on-site-services through successful
remote diagnosis

> 150,000
machines, all electronically documented in
28 different languages – in eParts

HOMAG LifeCycleServices

The sale of our machines comes with all-in optimum service backup and individual advice. We support you with service innovations and products which are especially tailored to your requirements. With short response times and fast

customer solutions we guarantee consistently high availability and economical production – over the entire life cycle of your machine.



Remote Service

- Hotline support via remote diagnosis regarding control, mechanics and process technology. Thus the on-site service can be reduced by more than 90 %!
- Mobile applications such as ServiceBoard reduce the costs through fast help in case of troubles by mobile live video diagnosis, online service message and the online spare parts shop eParts



Spare Parts Service

- Identify, request and order spare parts around the clock via www.eParts.de
- Local availability of parts offered by our sales and service companies as well as sales and service partners all over the world
- Reduction of downtimes through defined spare parts and wear parts kits

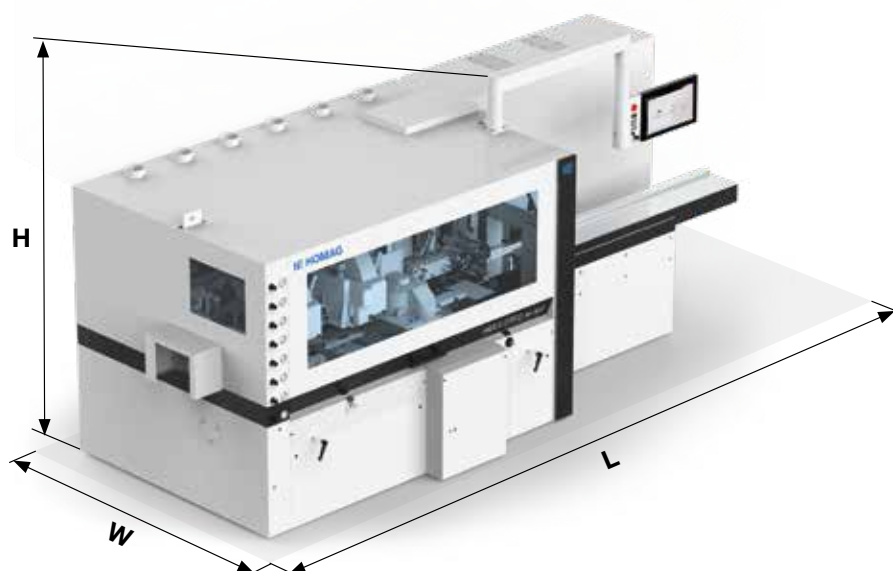


Field Service

- Increased machine availability and product quality by certified service staff
- Regular checks through maintenance / inspection guarantee the highest quality of your products
- We offer you the highest availability of technicians in order to reduce downtimes in case of unpredictable troubles

TECHNICAL DATA

Model		5 spindles	6 spindles	7 spindles	8 spindles	
Workpiece length min. (one and one piece)	mm	300				
Workpiece length min. (one piece)	mm	800				
Workpiece width	mm	10 – 250				
Workpiece thickness	mm	10 – 160 5 – 160				
Spindle speed 1. spindle	1/min	6000				
Spindle speed from 2. spindle	1/min	4000 – 8000 (var)				
Spindle diameter	mm / inch	40 mm 50 mm 1-1/2 inch 1-13/16 inch				
Spindle motor power	kW	5,5 7,5 11 15 18,5				
Radial spindle positioning		Target/actual value display with crank handle automatically				
Axial spindle positioning		Target/actual value display with crank handle automatically				
Axiale Verstellung						
horizontal spindles	mm	20 40				
vertical spindles	mm	60				
with tool diameter 130 mm	mm	75				
Feed speed	m/min	6 – 24 6 – 40				
Feed motor power	kW	4 5 7,5				
Feeding table length	m	1,1 2 2,5 3				
Table design		Smooth table Air cushion table Grooved table				
Option packages		Window package Saw package Universal spindle				
Air pressure	bar	6				
Compressed air connection	Zoll	R 1/2				
Suction connection	mm	5x125	6x125	7x125	8x125	
Suction (average)	m ³ /h	3900	4680	5460	6240	
Suction (max.)	m ³ /h	6625	7950	9275	10600	
Machine weight	kg	3800	4750	6440	7300	
Machine dimensions						
L	Length	mm	3950	4500	5385	5550
W	Width	mm	1900	1900	1900	1900
H	Height	mm	2145	2145	2145	2145



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