

POWERMAT 700.

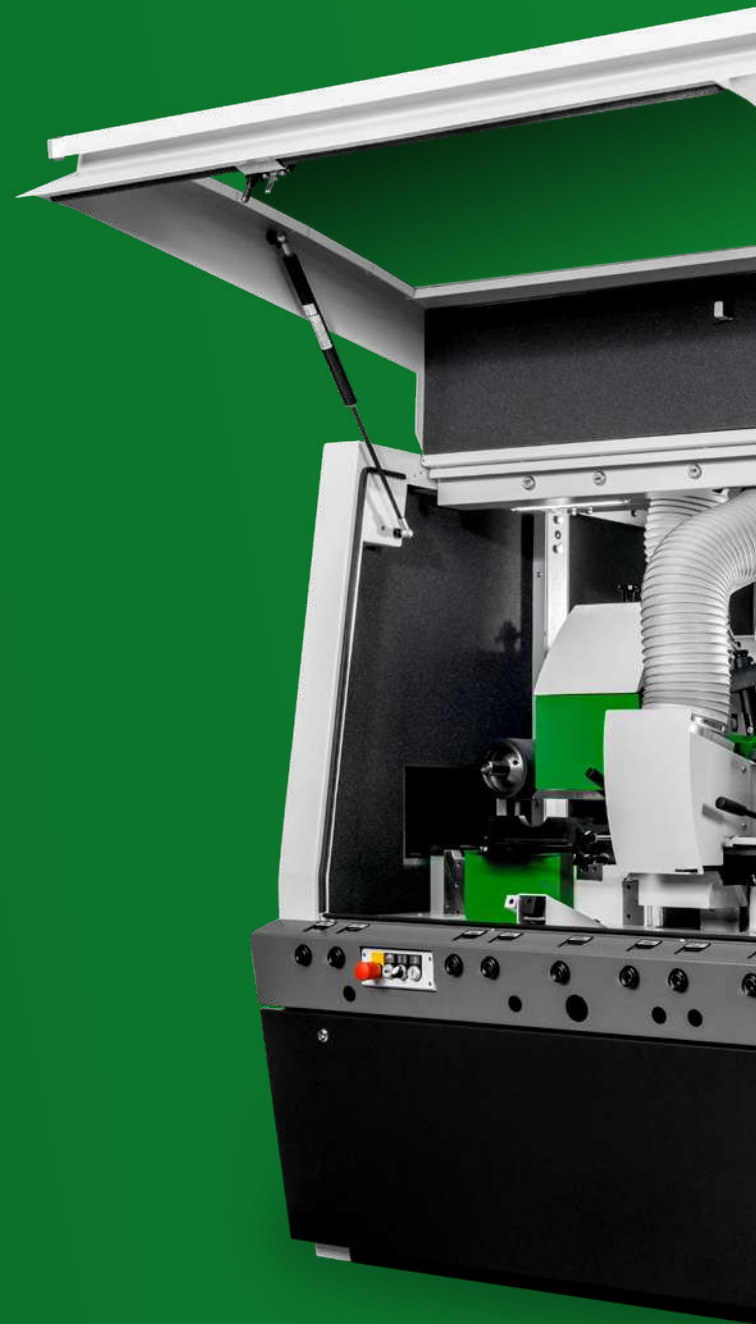
GET MORE OUT OF YOUR BUSINESS
WITH PERFECT PLANING
AND PROFILING.



WEINIG OFFERS MORE.



PLANING AND PROFILING IN WEINIG QUALITY



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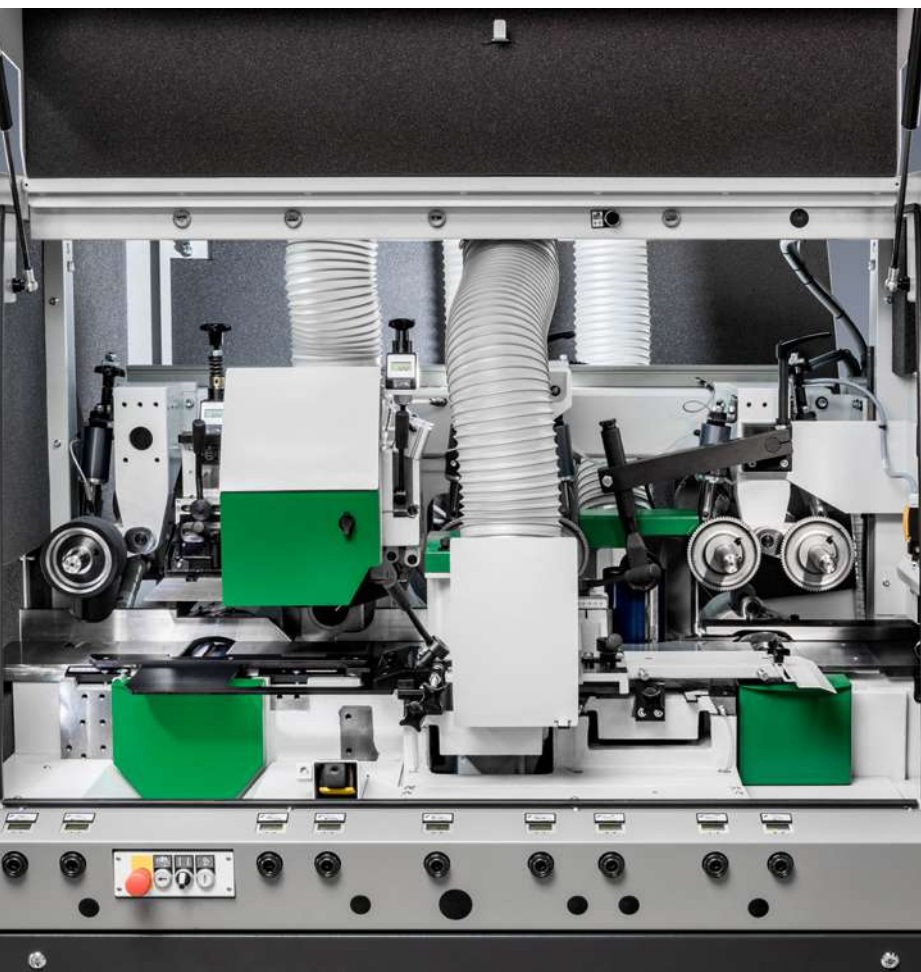
The Powermat series marks the beginning of a new era in planing and profiling. The Powermat 700 already offers previously unimaginable possibilities.

The Powermat 700 has a sophisticated operating concept that is different from any other moulder in this performance class. The result: improved operator comfort and the shortest setup times ensure maximum flexibility. That's why the Powermat adapts perfectly to today's market requirements and sets new standards in four-sided machining.



THREE STRONG TECHNICAL HIGHLIGHTS.

Sustainability and the careful use of resources is one of the strongest trends of our time. WEINIG has always taken these requirements into account, and the Powermat series is no exception. That is why WEINIG offers the Powermat 700, a machine with a long service life that is characterized by high reliability and safety.



OUTSTANDING SAFETY.

The excellent accessibility of the Powermat allows all setup work to be done conveniently from the front of the machine – much of it even without tools. The clear arrangement of the controls in the interior ensures the safety of the operator. In continuous operation, the Powermat is locked in accordance with legal standards. The large window allows you to easily see the interior at all times.



EXCELLENT OPERATING COMFORT.

The new Comfort Set operating concept offers a wide range of wrench-free pressure and guiding settings that can be adjusted quickly, safely and accurately. This means that the operator enjoys an unprecedented level of comfort, as setting up a moulder has never before been so easy. The result of the setup process is ultimately reflected in the quality of your end products.

ENORMOUS SAVINGS IN SETUP TIME.

A major benefit of the new operating concept is the reduction of setup time and downtime to a minimum. Proven options such as the Power-Lock tool system offer additional potential in this area. This allows operators to make full use of the Powermat's flexibility, and even frequent profile changes or small batch sizes do not represent a disadvantage for the economic efficiency of your production.



AN EXCEPTIONAL STANDARD.

The robust machine base serves to integrate high-quality components with convenient settings and intuitive machine control, resulting in a machine that is very easy to set up. For you, this means shorter set-up times, high operator safety, high machine availability and economical production – with legendary WEINIG surface quality.



HIGH SPINDLE SPEED.

With a speed of 7,000 rpm, the Powermat 700 offers you even more power. This results in a higher linear production output per day compared to predecessor models while maintaining the same high surface quality.

EFFICIENT DRIVES.

The spindle drives are started and stopped by means of frequency converters. This avoids short-term power peaks and enables the drives to run very efficiently even in the partial load range.

INTUITIVE MACHINE CONTROL SYSTEM.

Memory Plus allows you to set workpiece dimensions and re-configure profiles in the blink of an eye. All settings can be saved for perfect reproducibility.



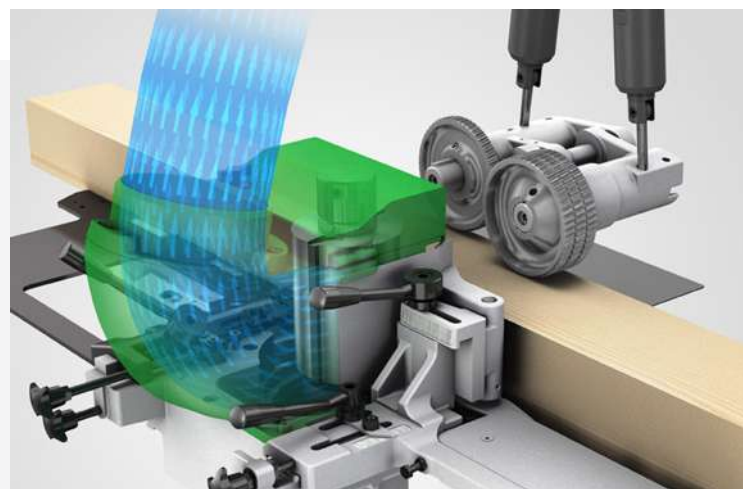
QUICK ASSISTANCE.

Thanks to the built-in firewall, a service specialist can quickly access the machine if necessary, after release by the operator. This keeps downtimes to a minimum.



EFFECTIVE CHIP DISPOSAL.

The Powermat 700 features optimal chip handling thanks to flow-optimized extraction hoods and chip deflectors. As a result, the required extraction capacity and power demand are reduced.



A PERFECTLY ORGANIZED MACHINE ENVIRONMENT.

The WEINIG System enhances your Powermat 700 to become a highly efficient overall concept that raises productivity. The individual components work together like building blocks to produce a fast result. From tool preparation to moulder setup.



TOOL SHARPENING

You can make your own knives or resharpen them with the Rondamat tool grinder. The advantages for you: this makes you independent from tool services and shortens your delivery times.

TOOL MEASURING

The OptiControl measuring system determines the required tool data for you, so that workpieces leaving the machine will fit as expected right from the start.

AUTOMATION.

Automation in infeed and outfeed allows you to leverage the full potential of the Powermat 700.

STANDARDS AND OPTIONS IN COMPARISON



	<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Option
Minimum/maximum working height	10 - 160 mm	
Minimum/maximum working width	20 - 230 mm	
260 mm working width		<input type="checkbox"/>
200 mm working height		<input type="checkbox"/>
7,000 rpm (except straightening spindle)	<input checked="" type="checkbox"/>	
8,000 rpm		<input type="checkbox"/>
Comfort Set operating concept	<input checked="" type="checkbox"/>	
Memory Plus control	<input checked="" type="checkbox"/>	
PowerCom Plus control		<input type="checkbox"/>
Electronic digital read-outs	<input checked="" type="checkbox"/>	
CNC-controlled spindle adjustments		<input type="checkbox"/>
Pressure shoe in front of top spindle, receding from the tool	<input checked="" type="checkbox"/>	
Max. tool cutting circle on horizontal spindles (except 1st bottom spindle) 200 mm	<input checked="" type="checkbox"/>	
Max. tool cutting circle on vertical spindles 200 mm	<input checked="" type="checkbox"/>	
PowerLock tool holders		<input type="checkbox"/>
Universal tool holder		<input type="checkbox"/>
Frequency controlled feed speed, 5 - 40 m/min	<input checked="" type="checkbox"/>	
MarathonPowerCoating for machine table and fences		<input type="checkbox"/>
The spindles are started and stopped by means of frequency converters.	<input checked="" type="checkbox"/>	
Standard motor power at vertical spindles 7.5 kW	<input checked="" type="checkbox"/>	
Max. motor power at vertical spindles 15 kW		<input type="checkbox"/>
Standard motor power at horizontal spindles 7.5 kW	<input checked="" type="checkbox"/>	
Max. motor power at horizontal spindles 15 kW		<input type="checkbox"/>
Improved sound enclosure		<input type="checkbox"/>

WEINIG OFFERS MORE.

Those who buy a WEINIG machine today know that they are optimally equipped for the future of their business.

100% Quality – WEINIG machines must satisfy the highest standards. That is why the greatest care in development and manufacturing is a traditional virtue at WEINIG. You benefit from this by the long service life of your valuable investment.

Reliability – The availability of a machine determines how profitable your business is. WEINIG's systems are known for their high standard. More than 80,000 machines from WEINIG are operating around the globe to the utmost satisfaction of our customers.

Expert advice – Whether you need the expertise of WEINIG for turn-key solutions or the know-how of a WEINIG expert at your door – you can always rely on our committed sales team. Ultimately you will have a customized solution that offers you maximum added value.

Everything from a single source –

With WEINIG you have an experienced full service provider as your partner. From rough cutting to stacking, from a stand-alone machine to a fully automated turnkey production line. And, of course, including a comprehensive service package.

Service – Reliability is reassuring. If worse comes to worst, our trained service engineers will be quickly on site. WEINIG maintains a unique closely woven service network worldwide. It is so closely woven that no customer can fall through!





Contact us!

The Powermat 700 is available in a wide range of system variations. You can adapt it perfectly to your particular application.

We will be happy to support you!
Your WEINIG experts

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