

Hydromat 3000

The robust moulder for entry into the Hydromat series



WEINIG



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 via the long service life of your valuable investment.

Reliability – The availability of a machine determines how profitable your business is. WEINIG 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 turnkey 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 value for your investment.

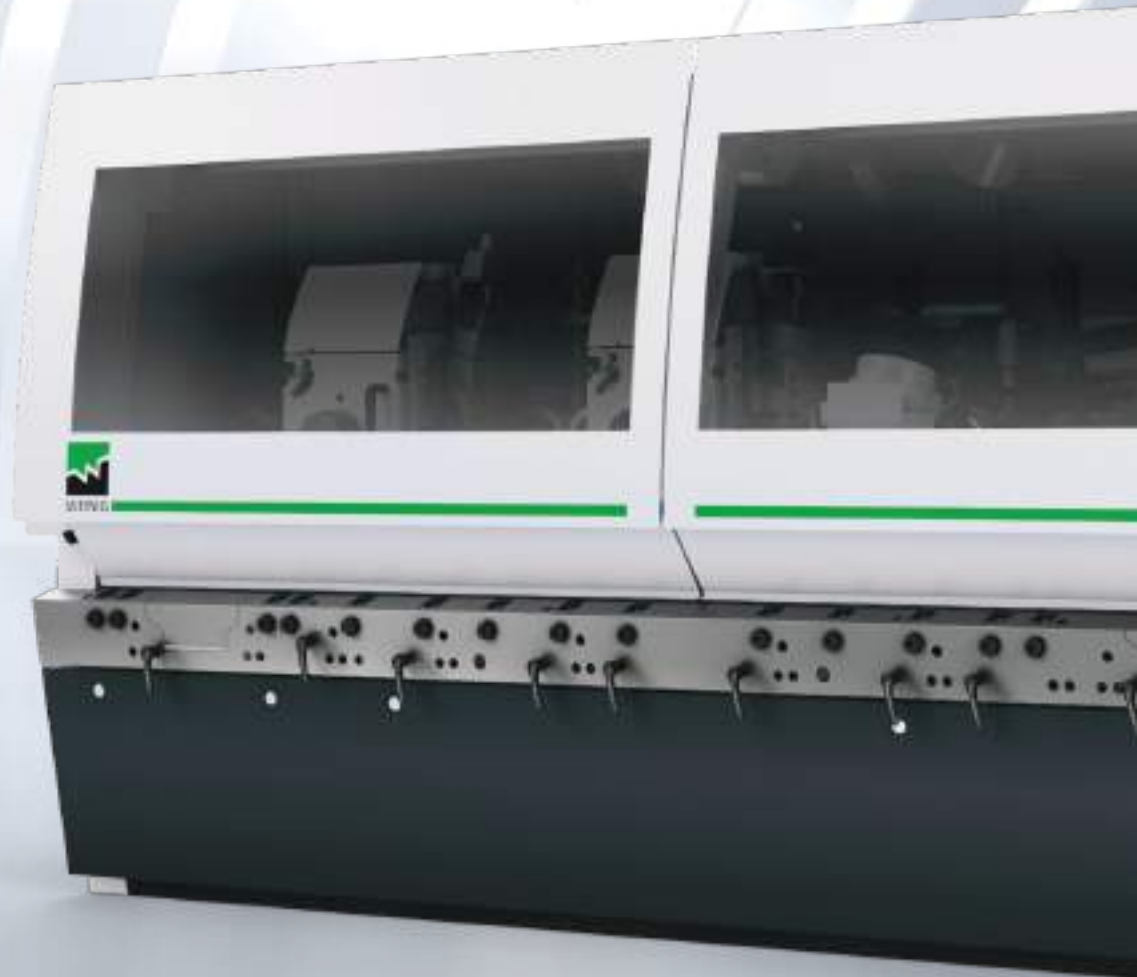
Everything from a single source – With WEINIG you have an experienced full service provider as your partner. From cutting to stacking, from a stand-alone machine to a fully automated turnkey production line. Including, of course, a comprehensive service package.

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. A mesh so fine that no customer can fall through!

The WEINIG ExpoCenter

In our ExpoCenter we can show you what top technology can really do for you. Here you can experience our machines in action.

The robust powerhouse:
The new Hydromat 3000





HYDROMAT 3000

The variety of products in industrial solid wood processing is immense. However, no matter which market you are servicing, with the Hydromat 3000 you have a wood processing machine that will meet your performance requirements. The Hydromat 3000 offers you a high-performance platform for the demanding requirements of everyday multiple shift operation.

Reliable: The extraordinary standard of the Hydromat

Solid and robust construction

The heavy cast iron base guarantees high robustness for the high performance requirements placed on the Hydromat series machines. The machine bases were developed using the latest computer-aided processes. This results in minimal vibrations during processing, smooth running of the workpieces and therefore consistent cutter marks.



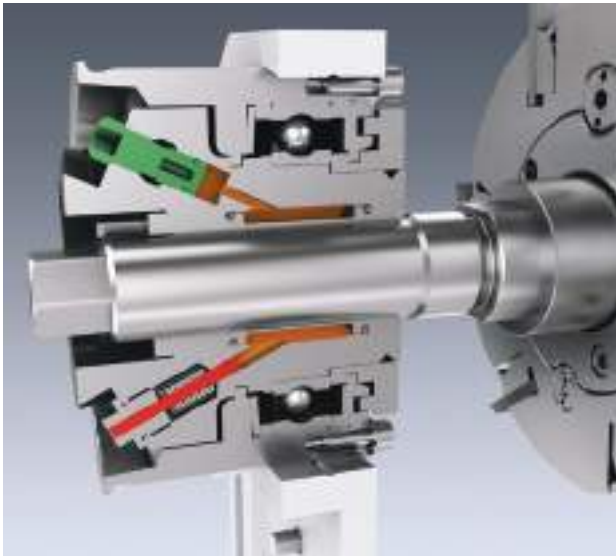
Outstanding surface quality even at high feed speeds

The Hydromat 3000 guarantees optimum interaction of tool and machine. From the cast-iron frame to the machine tables and spindles, WEINIG represents optimal machining quality. This quality means that the process runs as smoothly as possible and this is reflected in the surface quality of the workpieces. This accuracy also guarantees precise profile production.



Highly user-friendly

High operating comfort goes hand in hand with short setup times. The Hydromat 3000 offers both, thanks to very good accessibility of the machine interior and comfortable adjustment. This allows many settings and the positioning of spindle axes or jointing to be carried out fully automatically. The new HydroLock outboard bearings also increase comfort by eliminating the grease gun in daily use. This also ensures a high level of safety for the machine operator.



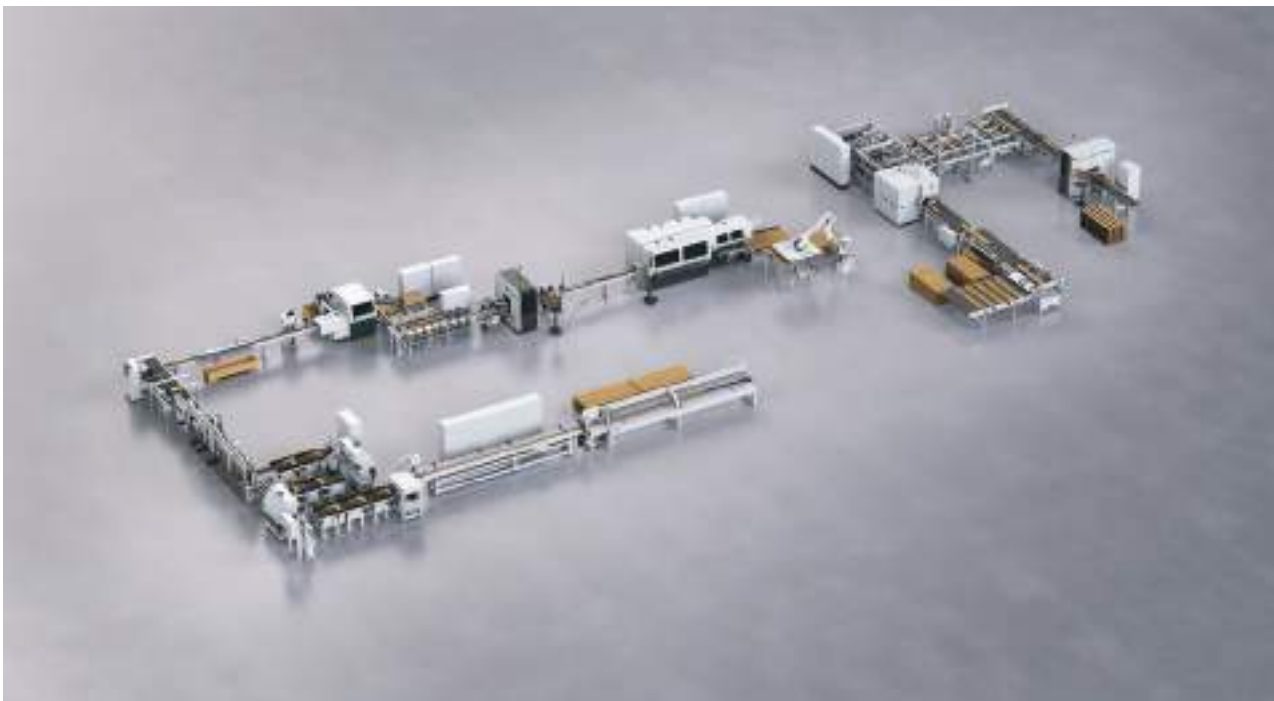
High level of repetition precision

The machine control is essentially able to store the setting values of the machine for any profile. If you want to produce the same profile again at a later date, the control retrieves the setting values. This makes the setup process so much easier. It also means improved safety for the operator since the risk of errors is minimized.



Powerful: Get more out of your business

Thinking in terms of complete systems is considered in the development of WEINIG moulders right from the start. The Hydromat 3000 can be equipped with the PowerMech automation system. Everything from a single source and adapted exactly to your needs, the PowerMech modules are the key to maximum profitability and top productivity. The functional units range from an infeed or outfeed system through scanning and conveying to packing and stacking. With the high level of automation you can decide how far you want to exploit the amazing capabilities of your Hydromat 3000. The modular system is flexible and will grow with your needs. Whether fast throughput with fewer operators, linking several workstations, greater ease of use or more safety – PowerMech always offers a customized solution to fit around your Hydromat.



1. 4-roller infeed

Two opposite pairs of rollers ensure a very robust infeed of the work pieces.

2. Feed rollers

In conjunction with the feed rate of 100 m/min, rollers with a diameter of 170 mm (6.7") ensure smooth running.

3. High-performance packages

Robust spindle units provide high sturdiness and rigidity for heavy-duty applications.

4. Joints moving with the spindle

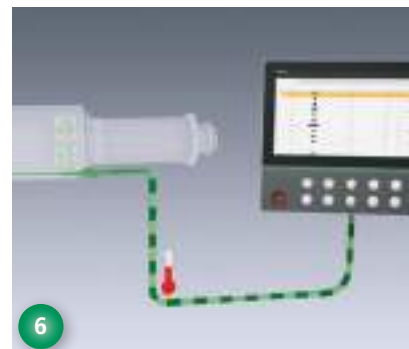
In case of a radial spindle adjustment the joints are automatically moving with the spindle and there is no manual setup required.

5. Adjustable table top

The table top can be easily adjusted via an inclined plane and features high stability.

6. Temperature monitoring

With temperature monitoring, you always know the condition of the spindles. This increases the availability of your machine.



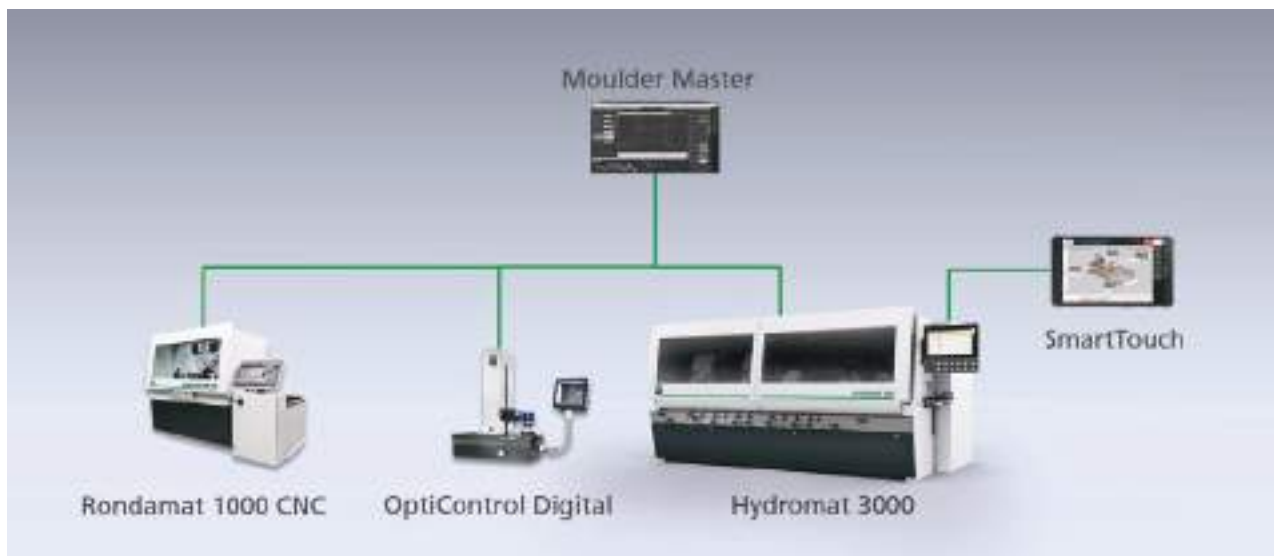
Weinig System Plus: The shortest way from the idea to the finished moulding

The WEINIG System Plus enhances your Hydromat 3000 to become a highly efficient overall concept that raises productivity. The individual components work together like building blocks to produce a fast result.

WEINIG's competence and innovative strength are particularly evident in emerging challenges such as short delivery times, small batch sizes and customer-specific products – not only with regard to machine technology, but also taking into account the entire working environment. From profile drawing to moulder setup. With the WEINIG System Plus you can cope with the daily challenges effortlessly.

Optimal for companies with

- high profile diversity
- frequent profile changes
- production to order
- several machines
- in-house tool production



Original WEINIG tools are your guarantee for perfect workpieces

The best of machines can only do as much as the tools they are equipped with. The better the machine and tool are matched to each other, the better the results that can be achieved. WEINIG offers you all the tools you need for planing and profiling:

- as PowerLock tools
- with hydro-clamping
- with conventional clamping
- knife shaft tools

The Rondamat Series is our universal range of grinding machines for the highest level of precision in production. You can use it to sharpen profiling and planing knives as well as milling cutters and make your own cutting tools for any desired profile. Fast, accurate, inexpensive.

Measurement and display systems complete our offer around tools. All components combined guarantee highest profile precision and at the same time enormous savings in set-up time.



Technical data

WEINIG planers and moulders offer a variety of spindle configurations. This means they can be adapted perfectly to your particular application. The spindle sequences shown do not cover all options offered by our modular system. Your WEINIG expert will be happy to advise you.

Please note: The dimensions given here are the values for a standard machine. Other configurations are possible with options or modified position of the control cabinet.



A = 4,500 mm, B = 2,165 mm, C = 1,905 mm



A = 5,350 mm, B = 2,165 mm, C = 1,905 mm



A = 5,350 mm, B = 2,165 mm, C = 1,905 mm



A = 6,200 mm, B = 2,165 mm, C = 1,905 mm



A = 5,350 mm, B = 2,165 mm, C = 1,905 mm

Standard features and options

Working height min./max.	10/160 mm
Working width min./max.	20/230 mm
Working width 30 - 310 mm, speed max. 6,000 rpm with HydroLock outboard bearing	○
Maximum working dimensions	310 x 200 mm
Comfort Set operating concept	●
Spindle speed 6,000 rpm	●
Spindle speed 8,000 rpm (not with HydroLock outboard bearing)	○
Frequency-controlled spindle speed 4,000 - 8,000 rpm	○
Start and stop of all spindle drives via frequency converter	○
Memory Plus control	●
PowerCom Plus control	○
Max. tool diameter horizontal spindles (except first bottom spindle)	250 mm
Max. tool diameter, vertical spindles	250 mm
HydroLock outboard bearing	○
Straight jointer / profile jointer, fully automatic	○
Frequency controlled feed speed 6 - 60 m/min (200 fpm)	●
Frequency controlled feed speed 8 - 80 / 10 - 100 m/min (260 / 330 fpm)	○
MarathonCoating for machine tables and fences	●
Max. Motor power on vertical spindles (standard - option)	7.5 - 15 kW 22 kW via frequency converter
Max. motor power on horizontal spindles (standard - option)	7.5 - 37 kW
Improved sound enclosure	○

● Standard ○ Option

Subject to technical alterations. The statements and pictures provided in this brochure also include optional equipment that is not included in standard delivery. Some protective covers were removed for photographing.

You can expect big things from us: WEINIG – Your partner for the future

We are here for you

Comprehensive advice – for example on optimum process integration of your new Hydromat – is standard service at WEINIG as well as a well-tested training plan with effective training sessions. Our branches on all continents and an extensive service team guarantee rapid help where and when you need us. As you see: WEINIG offers more.



Assembly line



Consulting



Training



Service

MORE EFFICIENCY OR MORE FLEXIBILITY? **BOTH.**

THINK WEINIG

Batch size 100 today, a single item tomorrow. And every order as profitable as possible. In times of great change there are new challenges daily. That's why we need a partner who not only sells us a machine, but who also guides us into the future with comprehensive personal advice and scalable, flexible solutions. **WEINIG offers more.**

Your first step forward: think.weinig.com



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