

Optimized working processes for small shops: Problem solutions from WEINIG





With wood into the future

The natural feel and noble look of wooden products makes them very desirable. This renewable, eco-friendly raw material is highly valued in society. Good times for woodworkers. Good times for you.

The increasing importance of wood is characterized by an ever growing field of application: Traditional fields of activity such as interior fittings, commercial furnishings and window manufacturing have been joined by imposing wooden architecture. Sophisticated façade and bridge constructions, glulam or cross laminated timber elements are enjoying increasing use in construction. Textured surfaces and creative lightweight construction are setting popular trends.

As a company active in this industry, you can benefit from this development towards increased use of wood, the only CO₂-neutral material. Now you can also choose sustainability when acquiring new production technology. WEINIG is the only manufacturer who is fully committed to solid wood processing. With passion and dedication, like yourself. The ideal partner for innovative concepts to help you conquer tomorrow's market. WEINIG's machines have an especially long service life and offer exceptional reliability. An investment in WEINIG's production technology has long-term benefits and means security for your company. Very short set-up times and maximum material yield are built into every solution. Naturally with perfect accuracy of dimensions and excellent surface quality for your products.

Planing, profiling, finishing. Whatever you do – you will always make the right choice with machines from WEINIG.



WEINIG offers more

WEINIG's successful path in wood processing is characterized by listening to our customers and the demands of the market place. Born from many years of experience, WEINIG's R & D department never fails to create new practical solutions for industry and small businesses in close collaboration with our customers. 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 is known for their high standard in technology. 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 Concept 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.



BKS band resaw

It excels where continuous high performance is required for pre-cutting larger sizes.

The bevel-cut device that can be tilted to 45° increases the flexibility and application possibilities of the saw enormously.

The wide saw blade ensures a high degree of dimensional accuracy and a long service life.



Ripping and edging – the VarioRip

Quality production!

The VarioRip puts you one crucial step ahead of the competition

- The machine covers a whole variety of applications and cuts (almost) any material: solid wood, laminated wood panels, chipboard, fiberboard (MDF, HDF)
- Very short setup times with the Quickfix rapid clamping system
- Adjustable blade – maximum yield.
- Precision workpiece guidance for perfect cutting quality
- Intelligent software ensures outstanding user-friendliness and supports optimization processes when required
- One-man operation for efficient, economical ripping
- Maximum safety at work thanks to SafetyPlus
- Its robust design ensures maximum – even with extreme loads
- Saw blades from all manufacturers can be used



RipAssist software

Automatic width optimization for best wood yield.



Blade adjustment

With the movable saw blades, each workpiece can be cut individually taking into account the quality of the wood.



Quickfix system

This patented quick changeover system allows a new arbor to be fitted in less than a minute.



Plastic, aluminum, panels



Maximum cutting height 210 mm
with a saw blade diameter of 600 mm



Self-sealing saw blade slot

Patented system: keeps the kerf sealed and prevents thin lamellae or splinters from becoming wedged in the table.

Hold-down unit

Clamps the workpiece in place during cutting and allows the workpiece to be positioned freely on the table.

The FlexiCut cross-cut saw

Turns the FlexiRip into an economical one-man cutting line. Mounted on guides, it can easily be set to the required depth according to the width of the workpiece.



Ripping and edging – the FlexiRip

The FlexiRip makes you unbeatable in every application!

This efficient length-cutting saw is perfectly suited to universal cutting of solid

woods and all panel types. The quick, simple width-fence positioning with ergonomically fitted control levers and the electronic controls operated via

touchscreen ensure that you produce precise, parallel and dimensionally accurate quality.

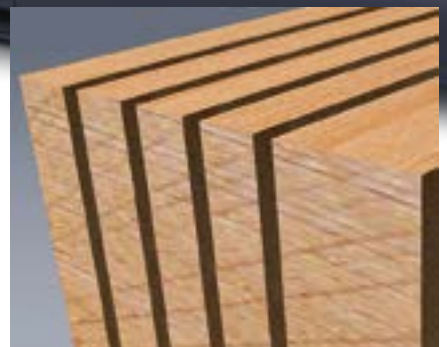
The original JriionLine!



Longitudinal cutting of unedged boards



Large cross sections



Longitudinal cutting of thin lamellae



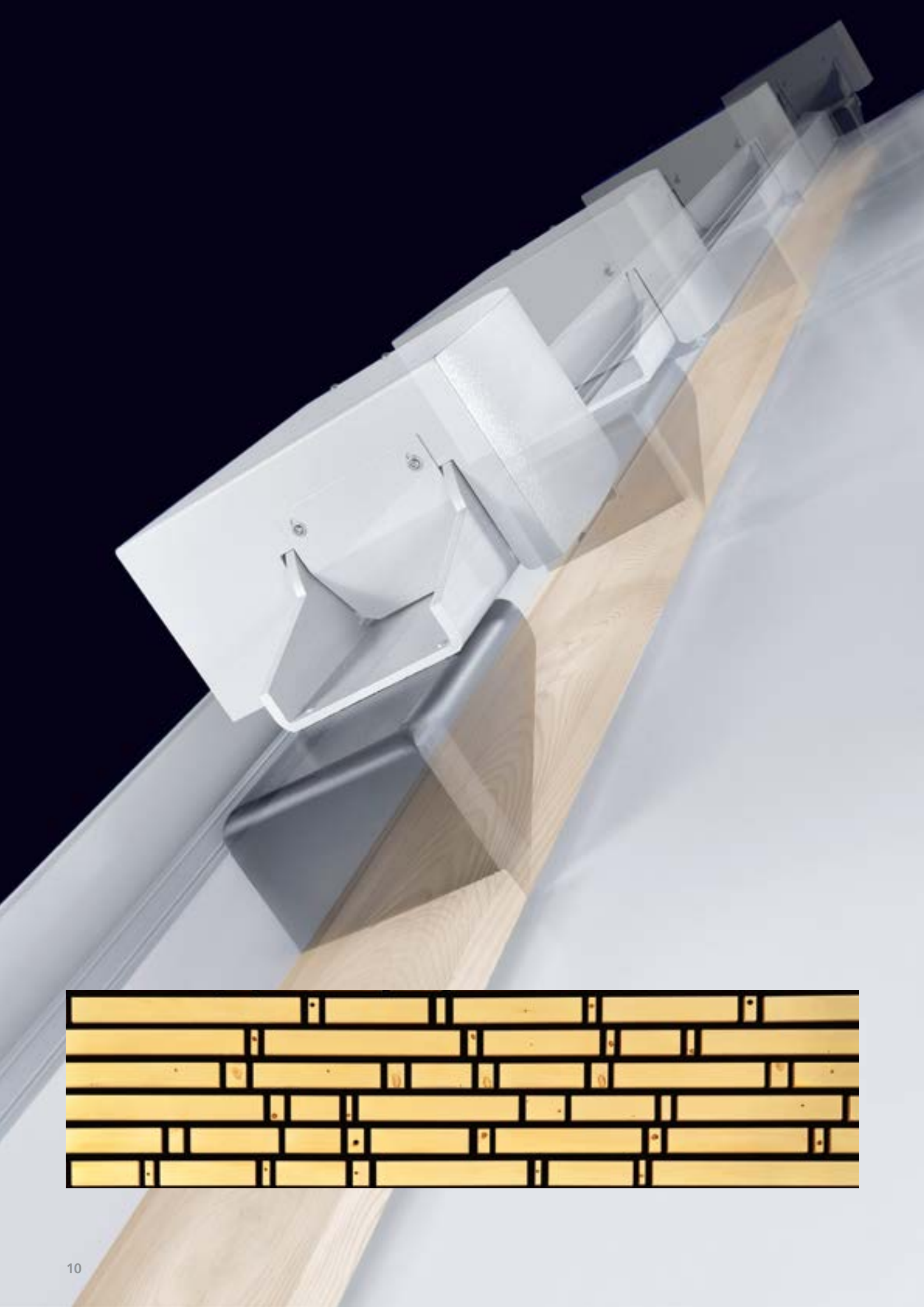
Mitre cuts



Diagonal and beveled cuts



Multilayer cutting (e.g. panels)



Cross-cutting – OptiCut S 50

The OptiCut S 50 is an ideal entry-level machine that pays for itself quickly. It is a perfect cross-cutting system for a modern production plant:

- Up to 4 times more capacity than with a manual cross-cut saw
- Maximum wood yield through intelligent cross-cutting
- Guaranteed high added value
- Manual cutting function at the touch of a button
- Precise length dimensions through exact positioning
- Can be operated without prior knowledge
- Flexible for universal application
- Cutting fixed lengths, cutting out defects, optimizing



- Just cut – no configuration, reset or setup times
- Low maintenance and long service life
- Maximum work safety
- The OptiCut S 50 grows according to your needs – many options can be retrofitted



Cutting packets

Cutting fixed lengths, cutting out defects, optimizing workpieces with a minimum of waste and of course: cutting packets!



Intuitive operation

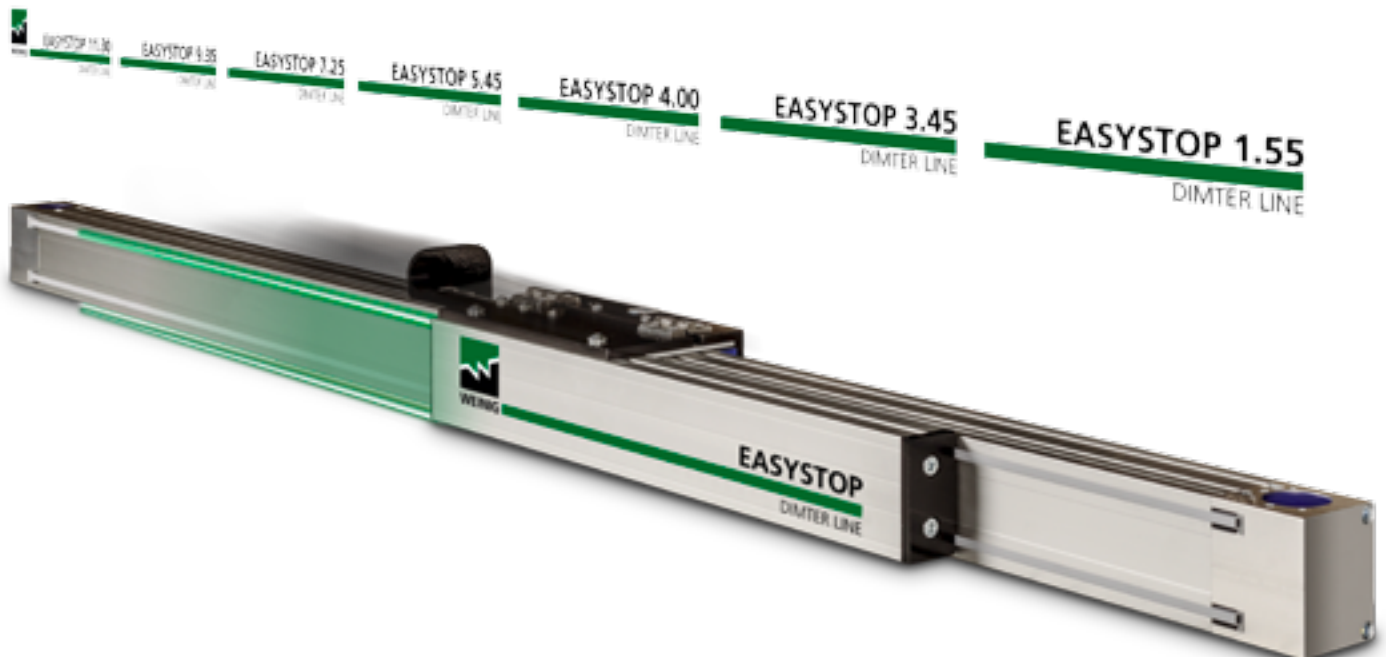
Create a cutting list in the office and then process automatically – with the network compatible OptiCom Pro control system.



High performance and safety

Automatic process sequences, hands are kept out of the cutting area by the cover.

Stop guide adjustment and positioning – EasyStop



PRECISE

+/- 0.1 mm
repeatability

POWERFUL

max. 60 kg
workpiece weight

FAST


up to 60 m/min.
travelling speed

State-of-the-art interfaces for intelligent and efficient production



You can connect the EasyStop to your company network and conveniently retrieve your cutting lists from there. Bar code readers or label printers are very easy to connect.




 **BAR CODE READER**



 **LABEL PRINTER**

IMPORT/EXPORT INTERFACES

 **2 x USB**
1 x front panel
1 x rear panel

 **1 x Ethernet**
Rear panel

DATA EXCHANGE FORMATS

Dimter CSV (standard)
WEINIG Window Production (optional)

EasyStop is the ideal extension for your manual machine or a new OptiCut C 50 / C 700:

The automatic positioning system EasyStop takes over the positioning of the workpieces on almost every machine. EasyStop supports you in carrying out your usual work faster, more comfortably and more accurately. Cutting,

drilling and milling has never been so simple. No matter which recurring process it is – with EasyStop the process can be perfectly automated.



Individual part production – Enter the measurement, confirm, and the unit moves to the entered position immediately.

- Incredibly easy and intuitive operation
- Value input directly at the control unit
- Manual positioning possible at all times
- Storage capacity of up to 12 values

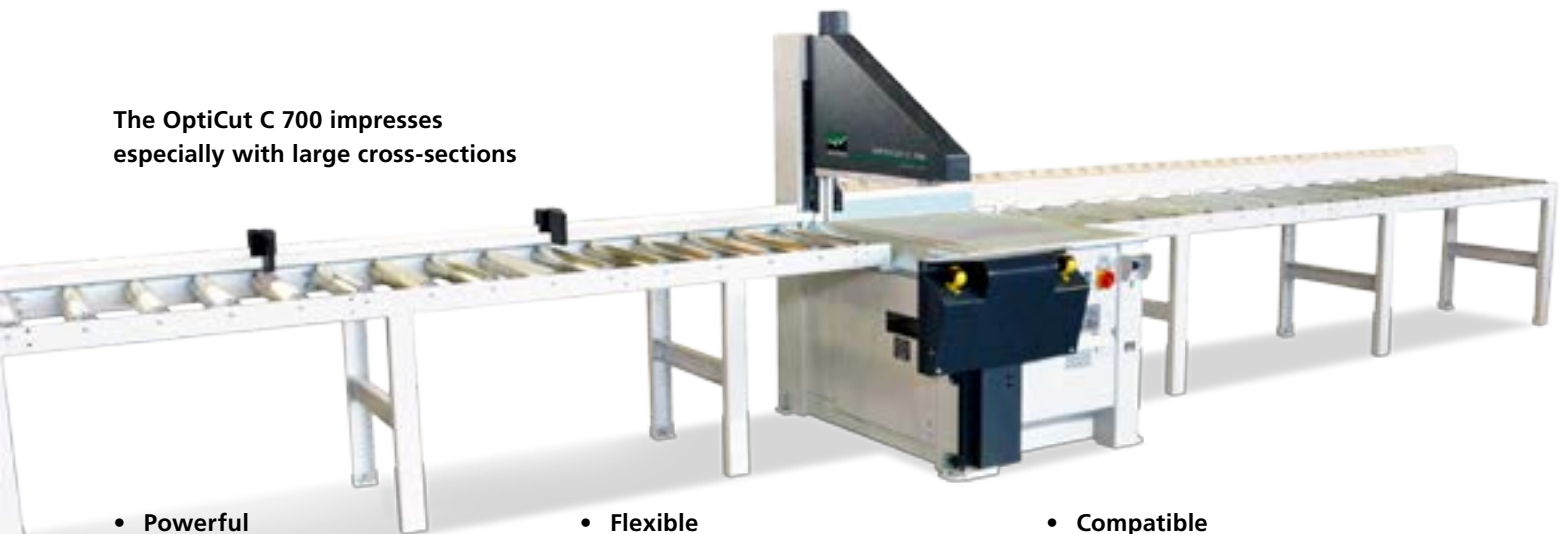
Value storage – Configure once, then access with a single click at any time.

Frequently used positions or lengths can be stored and edited quickly and conveniently: Simply select from storage.

List production – Retrieve a list, then start producing.

- Define, import and store up to 500 lists with 350 lengths each
- Observe target/actual quantities
- Enter an ID

The OptiCut C 700 impresses especially with large cross-sections



Powerful
Effortless cutting, especially of hard, heavy wood or large cross-sections in combination with a high cutting frequency – thanks to the powerful saw motor.

Flexible
Maximum utilization of the saw blade width/height – thanks to the adjustable guide fence.

Safe
Two-hand operation, a hand guard and a hold-down unit ensure the highest safety standard.

Compatible
The saw can be easily connected to other WEINIG machines or integrated into systems.

Reliable
Proven technology in WEINIG quality.



Perfect gluing

The hydraulic top pressure with its flexible pressure elements ensures even pressure distribution over the entire press bed area. This guarantees an optimal vertical alignment of twisted and curved wood and ensures an extremely

low height offset. The synchronizer ensures that the upper pressing bed surface is always aligned parallel to the lower one. As a result, you obtain almost offset-free glued panels and scantlings. This helps save material,

minimizes post-processing and eventually saves you money.



Gluing presses – ProfiPress L B

The completely redesigned high-frequency gluing press opens up an unprecedented range of applications. From panels to window scantlings with gluing heights of up to 160 mm everything is possible.

The ProfiPress L B also copes easily with different productivity requirements. The modular system allows you to upgrade the gluing press from a manual to a fully automated production line. The same cutting-edge high-frequency technology can be found in every con-

figuration level. Extremely short pressing times, short changeover times, simultaneous filling and emptying of the press bed and fast curing ensure high output. Exact, firmly closed joints and smooth surfaces reflect WEINIG quality in a most impressive way.



Model sizes

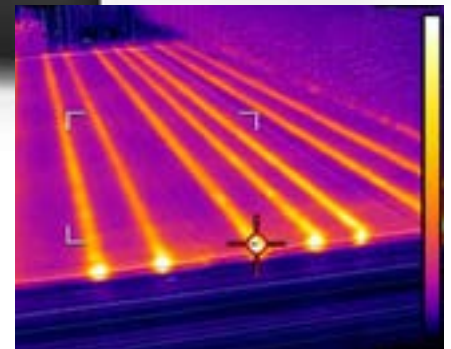
3,100 x 650 mm
3,100 x 1,300 mm
6,200 x 650 mm
6,200 x 1,300 mm



Automatic gluing system

The precision glue application ensures an extremely precise glue application with various glue types.

- Top-class gluing quality
- Up to 50% less glue required
- Reduced soiling of the press



Intelligent heating technology

The introduction of high frequency energy shortens the pressing times and results in high-strength joints as well as tension-free, glued panels. Only the joints are heated up.



Planing – Cube Plus

Fast, accurate, efficient. S4S planing – without setup times! Now even easier with the Cube Plus.

- Precise straightening and repeatable accuracy
- Fully automatic spindle positioning at the push of a button
- Simple, time-saving operation with large 10" touchscreen
- Optimum yield due to projection of the spindle adjustment onto the workpiece before processing
- Reduction of noise emissions through new tool design
- Strong, reliable feed – 6 - 12 m/min – frequency-controlled



The Cube is easy to use

With the Cube Plus you can start producing from the very first minute thanks to the intuitive, safe operating system - and no complicated training required!



Automatic stacker

Work even more efficiently: place the parts on the front, and the processed workpieces are stacked automatically in the outfeed.



Perfect surface quality

Precision from the very first piece and optimum surface quality; that means reduced sanding requirement and full customer satisfaction.



Planing and profiling – Unimat 20 Series

The entry-level machine with the perfect price-performance ratio for small businesses

- Robust machine base made of grey cast iron with vibration damping properties
- Highly user-friendly due to very good accessibility
- Precise pressure and guide elements for accurate profile production
- Safety equipment for high operator safety
- High reliability thanks to low-maintenance components



Memory System

The machine control system stores the settings for each profile. This enables you to achieve optimum repeat accuracy in order to remanufacture the profile at a later point in time.



Spindle speed: 7,000 rpm

Thanks to its speed of 7,000 rpm, the Unimat 20 achieves an increase in performance of 15% compared to conventional moulders, even in the standard version, while maintaining consistently high surface quality.



Sawing package

Planing, profiling and sawing on one machine - no problem for the Unimat 20. The first bottom spindle creates a plane reference surface, and the second bottom spindle turns your machine into a multi-blade rip saw.

Planing and profiling – Powermat 700

The ideal machine concept for small businesses:

The Powermat 700 has a completely new operating concept that is different from any other moulder. The result: improved comfort and the shortest setup times ensure maximum flexibility. The clear arrangement of the operating elements in the interior ensures the safety of the operator.

With Memory Plus, a profile can be reproduced at any time with maximum precision and minimum setup effort. The workpieces are guided safely. The Powermat 700 can be upgraded to a CNC-controlled machine, setting new standards in four-sided machining.

The Powermat 700 has lots of highlights to offer, even in its standard version:

- Spindle speed 7,000 rpm for high cutting speed and outstanding surface quality
- Simple operation with the Memory Plus machine control
- Electronic digital readouts for spindles and pressure elements
- Rulers inside the machine for a wrench-free setup
- Frequency-controlled feed system from 5 - 40 m/min
- Also available for beam production up to a cross section of 260 x 200 mm or for window production
- A variety of options, e.g. mobile spindle, groove guide, CNC-controlled axes or PowerLock, ensures the machine to be perfectly adapted to your individual requirements



With Memory Plus, you have all relevant profile data at your fingertips.



The high performance potential of the Powermat 700 is reflected by its speed of 7,000 rpm and up to 40 m/min feed speed.



The newly designed extraction system reduces energy consumption by optimizing the flow of chips.



The excellent accessibility of the interior facilitates the set-up process and increases operator safety.



The new operating concept Comfort Set

comprises a great number of wrench-free adjustments for pressure and guiding elements which can be performed quickly, accurately and without error. With features like this the machine operator will experience a new degree of comfort in performing the moulder setup like he never experienced before. The final proof of the new setup procedure can also be seen in the quality of the products you produce.

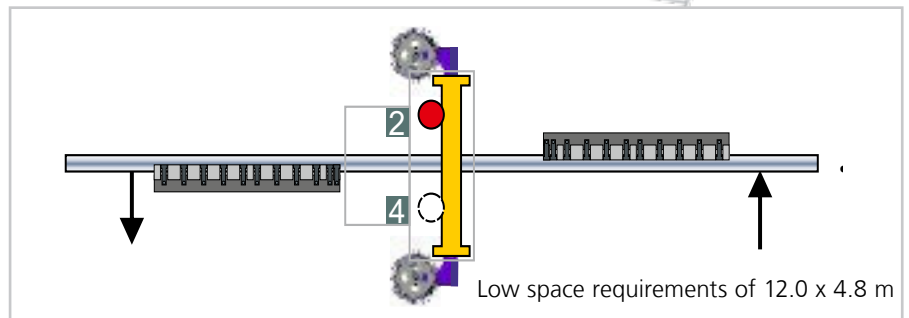
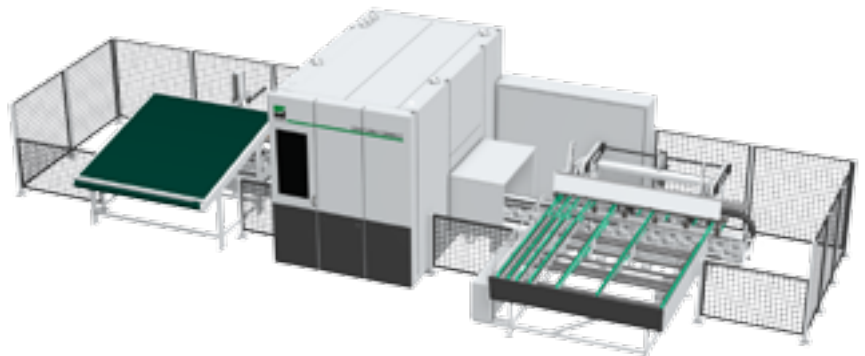
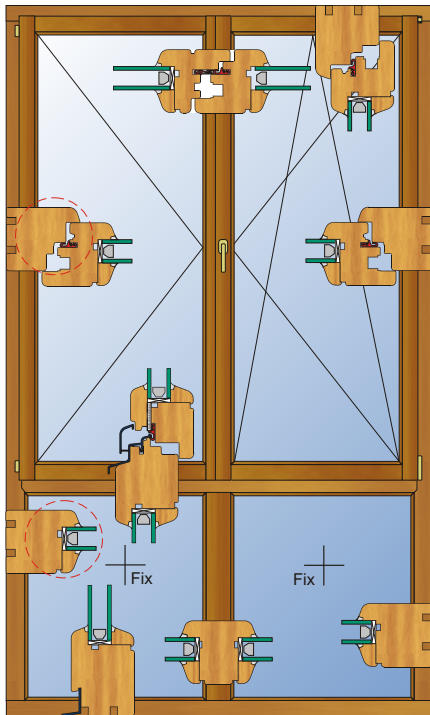




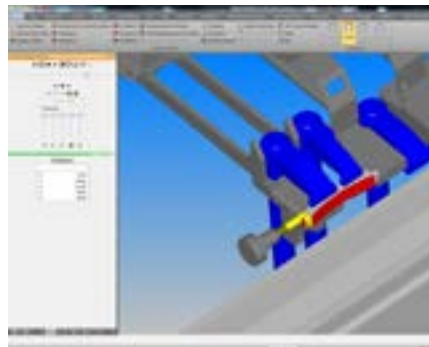
Window production – the Conturex Compact

The entry-level model into the world of modern complete machining of windows, doors, façades, conservatories and for furniture production

- Complete processing in one clamping action for maximum precision
- High availability
- Processing without retooling, even for the smallest batches
- Automation enables less manpower in production
- Maximum flexibility with a tool magazine with up to 147 slots and tool weights of up to 12 kg at 290 mm tool length
- Energy feedback modules means savings in energy



High process reliability through interaction of the PowerGrip clamping table, the U-axis and work-piece measurement.



WEINIG CAM
The perfect workpiece in no time at all. A simple and powerful 3D CAD/CAM solution that leaves nothing to be desired.



WMC (WEINIG Machine Control)
The intuitive, graphically supported user interface simplifies the handling of the machine and offers highest comfort.

WEINIG quality: The sum of many properties



Not many companies succeed in becoming a brand. WEINIG has succeeded in doing so. Trust plays a central role here. And the ability to prove this trust on a daily basis with our customer. We do this with quality. From product development to our supply of spare parts, from materials used to our worldwide service network. Based on employees noted for their expertise and passion for the product. Utmost care in assembling machines is part of this, as is continuous training. In order to maintain WEINIG's high standards we focus on vertical integration and independent quality management.

Based on the world famous kaizen method, our production undergoes a continuous optimization process.

But WEINIG quality also means aligning production for the future with open machine systems, energy efficiency and sustainability. All these characteristics blend to create a product praised by our customers around the globe as outstanding. We call it 100% WEINIG quality.

WEINIG service: Very close to customers



Customer relations are good. But we have a better word for it: WEINIG service. Supported by people who want to share their enthusiasm for wood with others. And when experts start talking together, a solution is not far away. This is why WEINIG service focuses on dialog with you, on outstanding training and a local support presence. The global WEINIG service network is more densely spread than any other in the sector. For you, this means easy communication in your own language and rapid help. Whether by telephone or by a technician on site. We are here for you when you need it. You can order any spare part you need via the hotline for rapid delivery – even old models.

You will be advised in detail by a professional WEINIG expert in your country. In our individually tailored training programs you can find out how to optimally exploit the capabilities of your machine. Our specialists are always open to your production tasks.

- Subsidiaries in all continents of the globe
- Local WEINIG expert who speaks your language
- Mobile team of over 300 service technicians
- Spare parts via the hotline
- Professional advice by specialists via the hotline
- 6 day service
- Individually tailored training program
- Service agreements on request
- International ExpoCenter
- Financing to suit your needs

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 machine – is standard service at WEINIG as well as a well-tested training plan with effective training sessions. Our branches in all four corners of the earth and an extensive service team guarantee rapid help where and when you need us. As you see: WEINIG offers more.



Advice



Training

THINK WEINIG

SOLID WOOD

PANELS

The WEINIG Group: Machines and systems for solid wood and panel processing

Innovative state-of-the-art technology, comprehensive services and system solutions through to turnkey production lines: the WEINIG Group is your partner for profitable processing of solid wood and panels. WEINIG quality and profitability give small businesses and industrial operations a decisive edge in the global competition.



Planing, profiling,
tools, sharpening
Cutting, scanning,
optimization, gluing
Windows, doors,
CNC technology
Finger jointing,
formatting,
edge profiling



Edge banding
CNC processing
Vertical and
horizontal
cutting solutions
Automatic
panel handling

SMALL BUSINESS FORUM



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