

CONTUREX VARIO L.

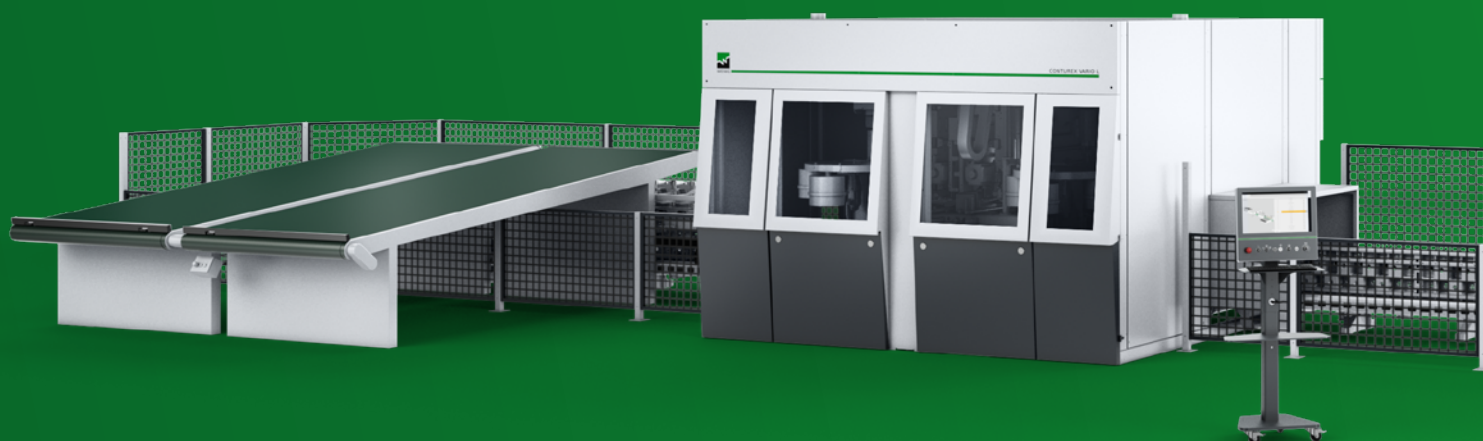
THE ULTIMATE IN FLEXIBILITY
WITH MAXIMUM PERFORMANCE



WEINIG OFFERS MORE.



FLAWLESS PERFORMANCE FOR YOUR EVERY NEED.



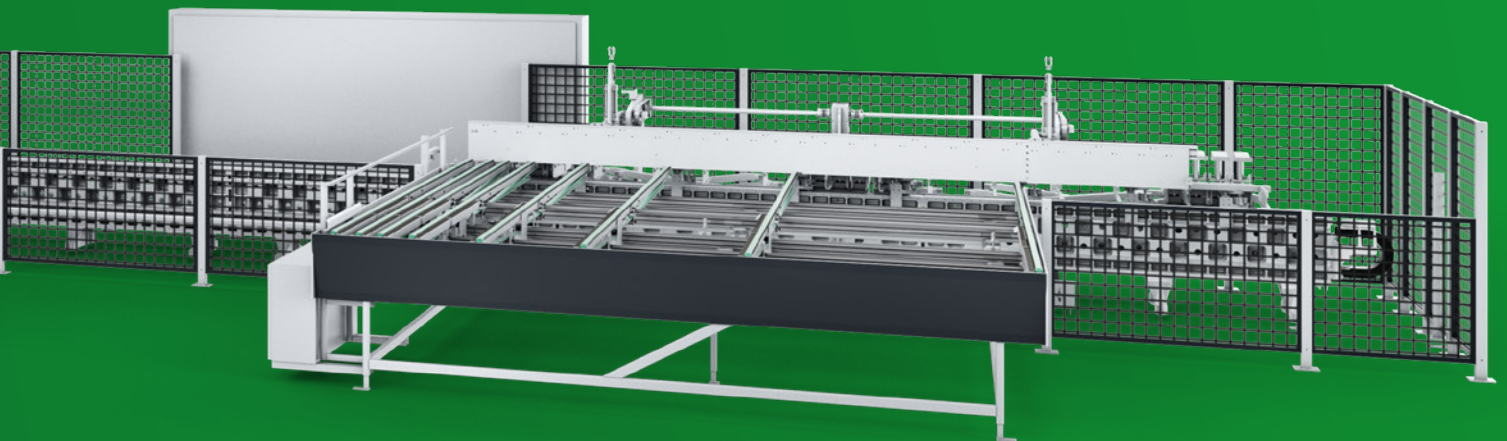
CONTENTS

Highlights	4
Your benefits	6
Software solutions	8
Technical specifications	9
WEINIG as a partner	10

The introduction of the Conturex series by WEINIG almost two decades ago marked a new era in window, door and furniture production.

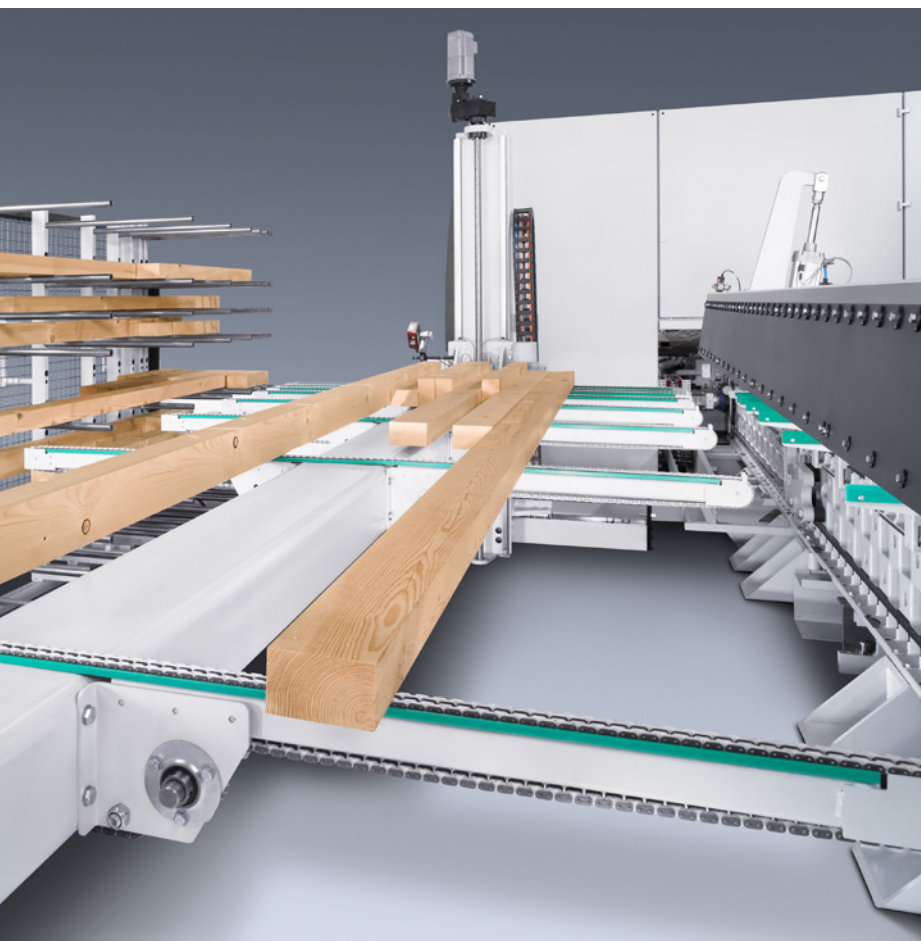
Since then, the sophisticated technology of the Conturex Vario models S & L has been continuously developed. For large woodworking operations, this opened up undreamed of possibilities, for example with regard to the clamping of narrow workpieces and critical parts. And what comes next?

The Conturex Vario L sees WEINIG offer even greater performance without sacrificing its tried-and-trusted flexibility. With its refined multi-part mode, the Conturex Vario L increases its output by up to 25%. Multiple parts and larger double part lengths can be processed at the same time in the machine, decisively reducing off-peak times and maximizing profitability.



MORE OF EVERYTHING.

There has never been a more powerful machine than the versatile, sophisticated Conturex Vario series, as can be seen in all kinds of respects. The improved flow of the manufacturing process and optimized tables ensure that the Conturex Vario L is on top form. Efficiency and profitability are boosted to an enormous extent, courtesy of the outstanding precision, short processing distances and high throughput. With just one portal, the Conturex Vario L is the most versatile of its kind.

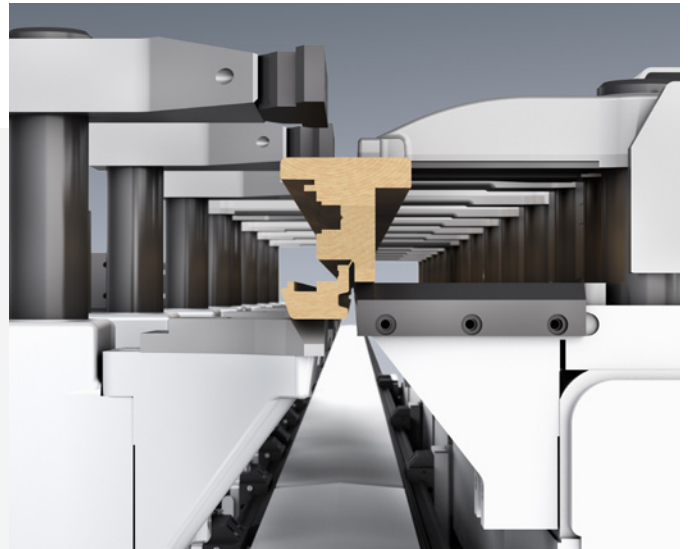


FAST THROUGHPUT, HIGH PROFITABILITY.

With the Conturex Vario L at your side, there's no stopping you. Due to the high level of automation, this powerful machining center allows you to operate efficiently with minimal manpower. Short setup times and fast throughput help you achieve a high degree of machine utilization. Thanks to perfectly matched units, the Conturex Vario L enables you to react quickly and flexibly to changes or new requirements. "Just-in-time" production on a commission basis can be easily implemented thanks to optimized tool systems. All in all, the Conturex Vario L gives you the benefit of increased performance that enables you to tap into new market segments with ease.

EASY TO OPERATE, MAXIMUM PRECISION.

With PowerGrip Motion 3D, widths of up to 330 mm, but also the smallest dimensions, can be clamped safely and processed flexibly. The integration of our patented WEINIG clamping technology ensures ultra-precise, complete processing of individual parts in a throughfeed process. The clamping elements are programmed with the help of smart software solutions and individually controlled with the WMC control system. As a result, the Conturex Vario L ensures impressive dimensional accuracy, profile accuracy and outstanding surface quality for all workpieces.

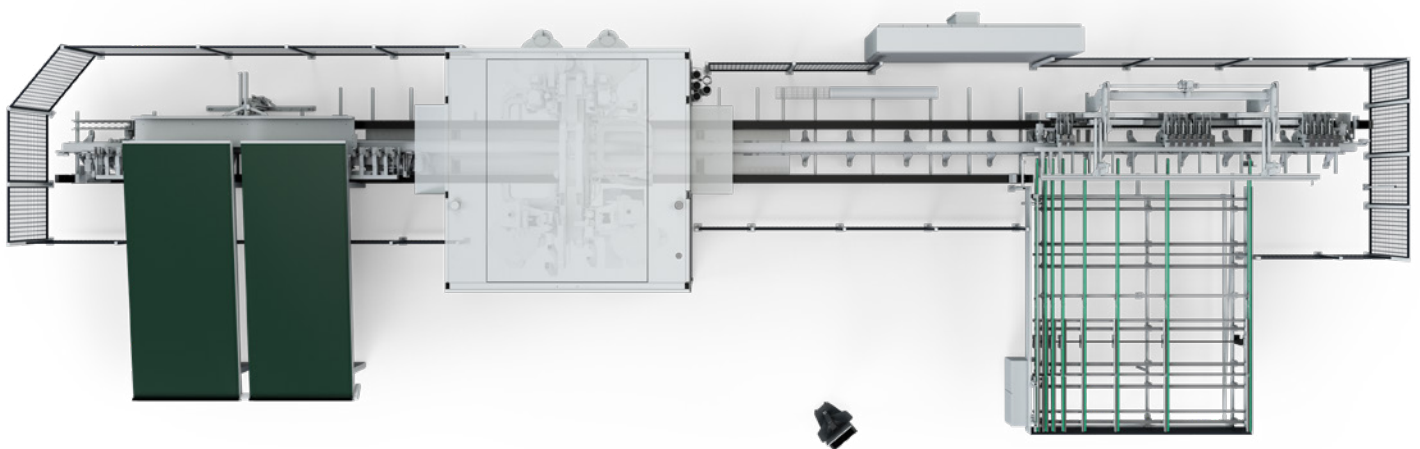


LESS MAINTENANCE, MORE SAFETY.

Thanks to its innovative machine cab, the Conturex Vario L is easily accessible for maintenance work. Clear glass panes guarantee optimum visibility into the machine so that you can easily monitor the production process. The CE-compliant fully enclosed machining area ensures the safety of everyone near the machine. Additional protection is provided by the separation of the HSK spindle and motor, the integration of standard air-cooled motors, and separate password-protected release for production.

MORE GRIP FOR EVEN MORE LENGTH.

The new Conturex Vario L is the same size as its predecessor, but can now process double part lengths of up to an impressive 2.90 m with two 12-clamp tables. In addition, the individual clamps feature an even stronger drive, enabling them to be repositioned at the very same time as the tables are being retracted. By the fast, direct and absolutely precise part transfer from table to table, narrow profiles, too, are clamped securely in three dimensions.



ROBUST MACHINE BODY.

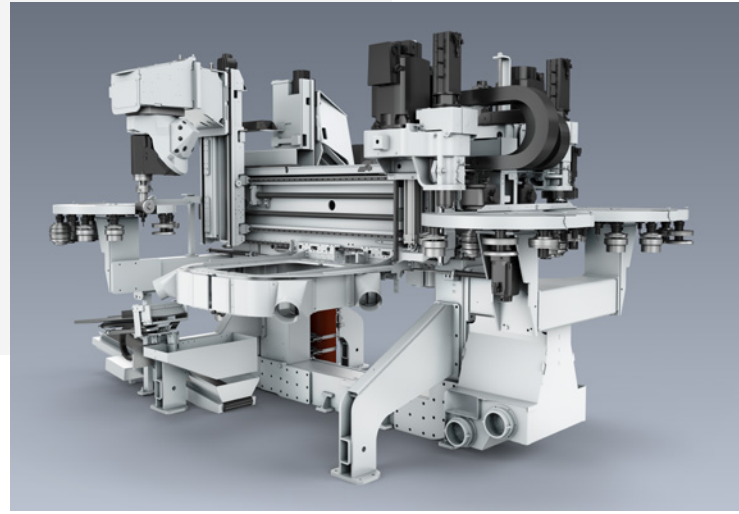
Thanks to its sturdy portal design, the Conturex Vario L can be equipped with heavy units. Cast iron tracks ensure a high level of dynamism. Basically, this CNC profiling center is designed for complete machining of heavy solid wood applications.

WIDE RANGE OF EQUIPMENT VARIATIONS.

The Conturex Vario L offers a variety of equipment variations that allow it to be perfectly matched to your application. For example, you can use a universal spindle for the production of complex window profiles, a 5-axis head for absolute flexibility in furniture production, and multiple spindle drilling heads (MBK) for greater performance in hardware machining.

EFFICIENT SPINDLE TECHNOLOGY.

With the 30 kW main spindle you are much faster and more productive. Due to its high power, profiles can be made in just one processing step. The air-cooled main spindles are virtually maintenance-free and thus guarantee high machine availability.

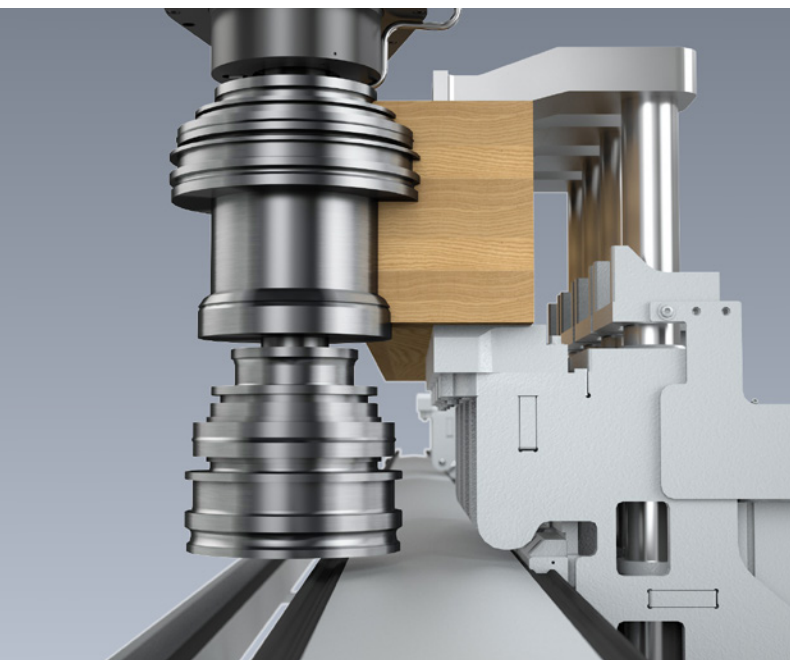


TIME-NEUTRAL PARTS FLOW.

The Conturex Vario L has a separate infeed and outfeed area. Loading and unloading takes place in a continuous flow principle without any loss of time. The ergonomic design also ensures that the workpieces can always be positioned and removed at the optimal height.

HIGH DEGREE OF AUTOMATION.

Even in the standard version, the Conturex Vario L works fully automatically. Depending on configuration, the output and degree of automation can even be increased so that the operator only has to spend about 20% of their time with the machine. This means that production can be carried out in off-peak times as well as during extended shifts.



MAXIMUM UNDERCUT HEIGHT.

The 3D folding clamp system allows small and large workpieces with a width of up to 330 mm to be clamped securely without reducing the undercut height of 165 mm. This increases flexibility in tool design. The high tool weight of 12 kg and the 290 mm long tool body reduce tool costs.

SMART SOFTWARE SOLUTIONS: WEINIG CAM, SIM AND WMC.



Do you want your new Conturex to work quickly and flexibly while producing top quality? And is it just as important to you that it is easy to program and offers high production reliability?

An open interface to all common industry software solutions combined with WEINIG CAM provides the optimal programming platform for your application. Even parametric special parts, conservatory constructions, door leaves and special window shapes can be programmed in no time at all through the simple use of macros. Subsequent simulation of the processes with WEINIG SIM allows the parts to be tested and optimized in advance. This increases operating and production reliability enormously.

Do you want an intuitive control concept that can be used quickly and easily without lengthy training?

WEINIG Machine Control (WMC) is the perfect answer to your requirements. The Conturex Vario L is supplied with the new SINUMERIK ONE control software, making it truly state-of-the-art. Thanks to the isometric representation of the tools on the display unit, the operator can immediately see which tools are in the machine's magazine and where it is located if replacement is needed. Visual warnings immediately draw the operator's attention to any positioned workpieces with incorrect dimensions.



STANDARDS AND OPTIONS IN COMPARISON

	✓ Standard	○ Optional
One portal – portal on both sides with four possible spindle positions	✓	
Two Vario PowerGrip single clamping tables, two PowerGrip clamping tables	✓	
PowerGrip Motion 2D/3D		○
Max. travel speeds of main axes X, Y, Z	145, 120, 60 m/min.	
EQF (automatic transverse infeed) – buffer length	2,000 mm	3,000, 4,000 mm
AQF (automatic transverse outfeed) – buffer length	2,500 mm	3,500, 4,500 mm
Axis-controlled workpiece infeed with workpiece measurement (plausibility check)	✓	
Min./max workpiece height	25 – 150 mm	
Min./max. workpiece width	20 – 330 mm	
Min./max. workpiece length without resetting cycle, single assignment	175 – 5,200 mm	140 – 5,200 mm
Min./max. workpiece length without resetting cycle, dual assignment	175 – 2,900 mm	
Min./max. workpiece length without resetting cycle, multiple assignment		400 – 1,300 mm
Workpiece length with resetting cycle	5,200 – 6,000 mm	
Internal tool magazine, number of slots	48 (2 x 24)	
External tool magazine, number of slots		90, 130, 170
Max. tool weight (per mandrel)	12 kg	
Max. tool diameter	340 mm	
Tool interface with main units HSK-63F, max. tool length from HSK interface	290 mm	
Main spindles infinitely variable from 0 – 18,000 rpm, operating mode S1/S6 (40%)	20 kW/30 kW	
C-axis (rotational axis about Z) 360°		○
5-axis head		○
Universal spindle		○
Multiple spindle drilling heads		○
Undervoltage protection	✓	
Energy refeed unit	✓	
Machine encapsulation (dust protection, noise protection, safety), CE-compliant	✓	
Program control SINUMERIK ONE + WEINIG machine control system	✓	
WEINIG WOP	✓	
Barcode reading system		○

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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.

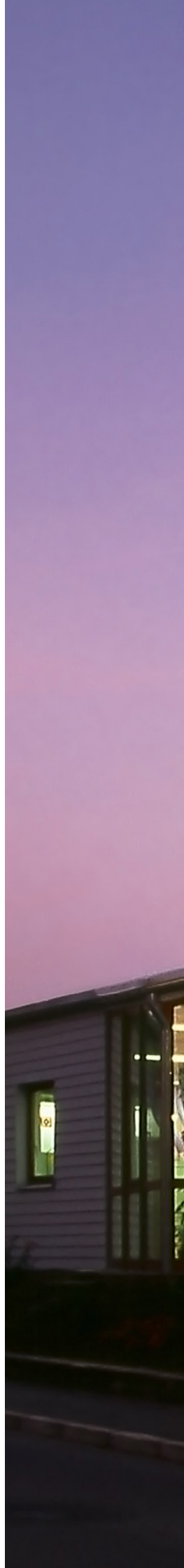
Reliability – The availability of a machine determines how profitable your business is. WEINIG's systems are known for their high standard. More than 80,000 machines from WEINIG are operating around the globe to the utmost satisfaction of our customers.

Expert advice – Whether you need the expertise of WEINIG for 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 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.

LifeTime services – 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!

Our Conturex is available in a wide range of system variations. Adapt your Conturex Vario L perfectly to your particular application.

We will be happy to support you!
Your WEINIG experts

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