

CONTUREX VARIO XS.

3D FLEXIBILITY IN AN XS FORMAT.



WEINIG OFFERS MORE.



SMALLER FOOTPRINT. MORE FLEXIBILITY.



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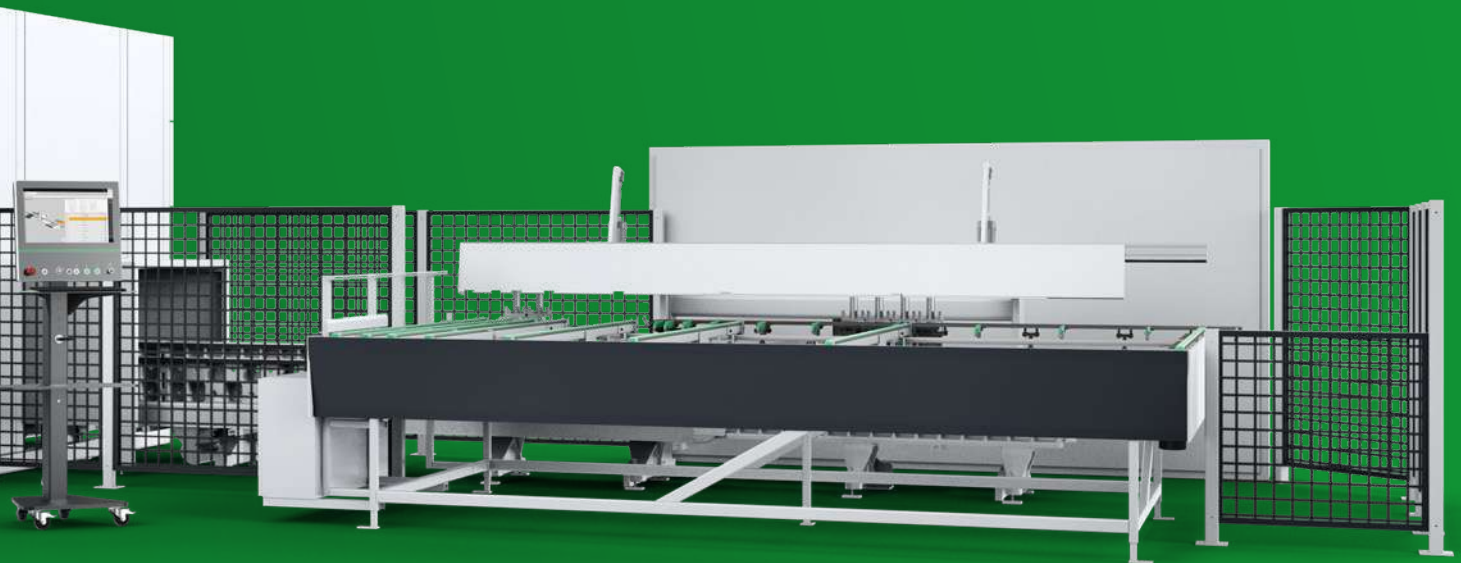
The introduction of the Conturex series by WEINIG almost two decades ago marked a new era in window, door and furniture production.

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 XS, the smallest of all Conturex Varios, is now on the market.

It offers limitless machining versatility in the smallest of spaces, adapts perfectly to today's market requirements and sets new standards for the future.

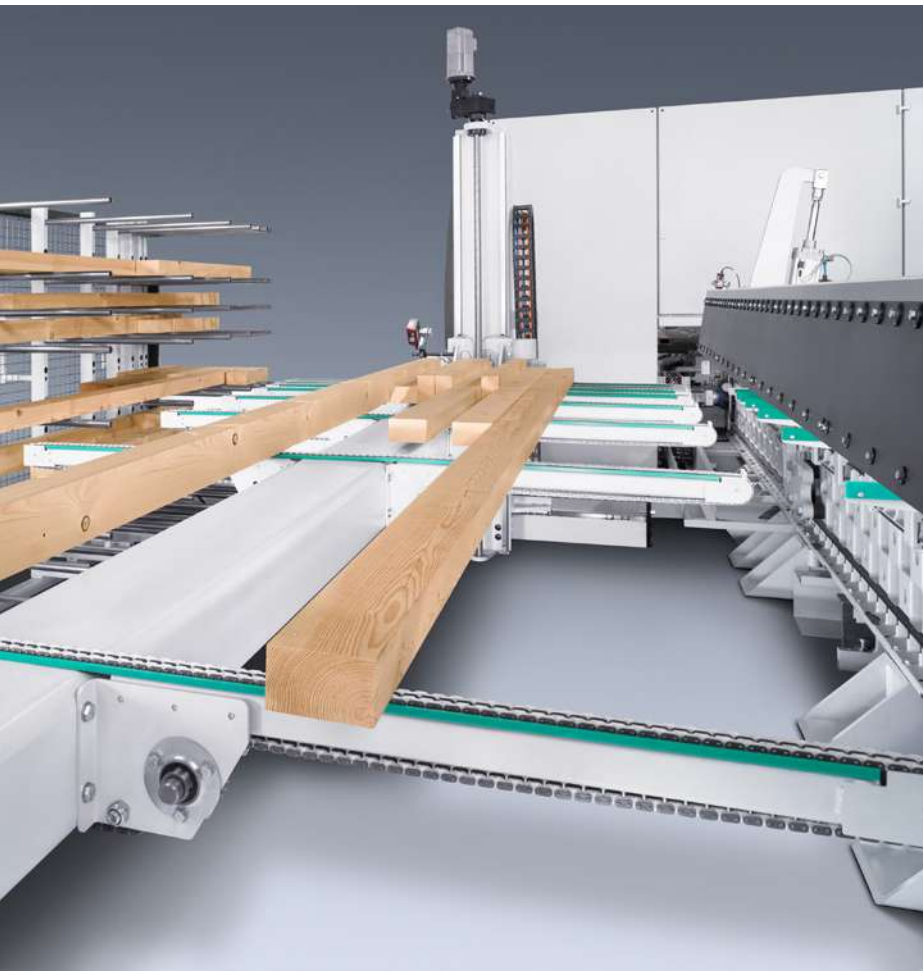
Thanks to the integration of PowerGrip Motion 2D/3D, the Conturex Vario XS is in no way inferior to its big brothers S & L. It enables setup-free complete processing in a single clamping process and full freedom of movement in X, Y and Z directions.

With the Vario XS not only industrial companies but also workshop businesses can now think in entirely new directions - from single-item batches to series production.



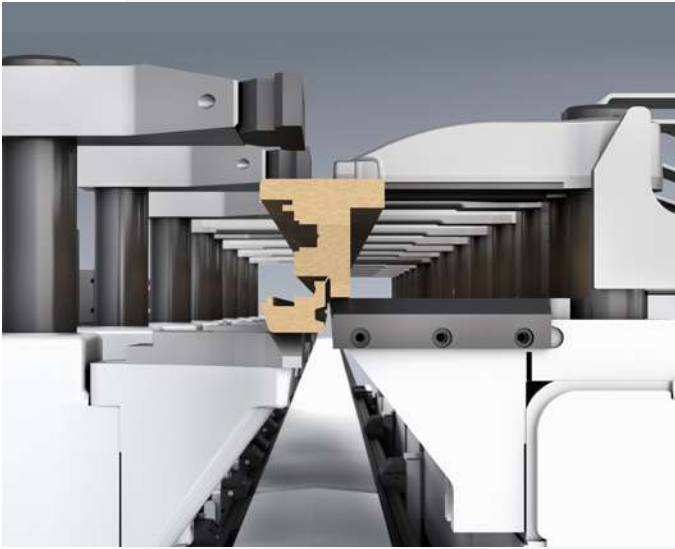
EVERYTHING UNDER CONTROL.

That applies in two respects! Firstly, it is true for the Conturex Vario XS itself, which ensures the precise complete processing of individual parts in a throughfeed process with patented WEINIG clamping technology integrated. And secondly, it applies to your company, which once again secures a decisive competitive advantage with this impressively economical, flexible and safe machine.



FAST THROUGHPUT, HIGH PROFITABILITY.

With the Conturex Vario XS at your side, there's no stopping you. Due to the high level of automation, this XS 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 XS 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 XS gives you the benefit of increased performance that enables you to tap into new market segments with ease.



EASY TO USE, HARD TO BEAT.

With PowerGrip Motion 3D, widths of up to 330 mm, but also the smallest dimensions, can be clamped safely and processed flexibly. The high degree of dimensional precision, profile accuracy and excellent surface quality of all workpieces speaks for itself. The patented clamping elements are programmed with the help of smart software solutions and individually controlled with the WMC control system. The clearly laid out PC interface makes work much easier for the machine operator.

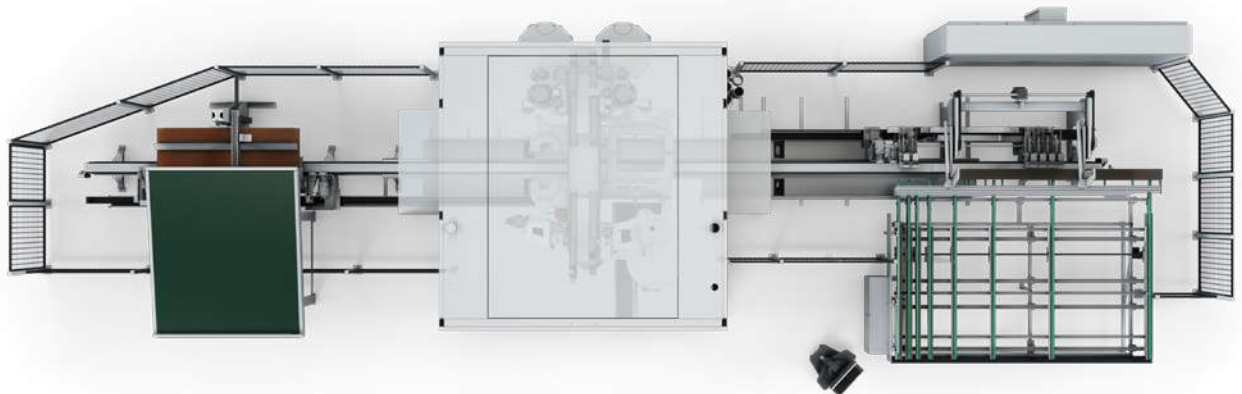
LESS MAINTENANCE, MORE SAFETY.

Thanks to its innovative machine cab, the Conturex Vario XS 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.



XS MACHINE, XXL POSSIBILITIES.

Anyone who has experienced live how the patented WEINIG clamping technology of the Conturex Vario XS imitates the possible movements of the human hand will be impressed. For example, by the fast, direct and absolutely precise part transfer from table to table and by the way even narrow profiles are clamped securely in three dimensions. All of this is impressive indeed, but let's not forget that the Conturex Vario XS has a lot more to offer.



ROBUST MACHINE BODY

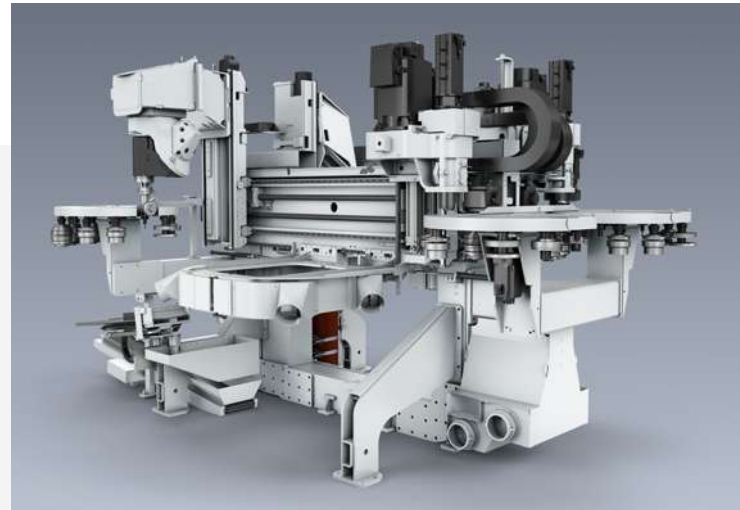
Thanks to its sturdy portal design, the Conturex Vario XS can be equipped with heavy units. Cast iron tracks ensure a high level of dynamism. Basically, this CNC profiling center is designed for complete machining of heavy solid wood applications.

WIDE RANGE OF EQUIPMENT VARIATIONS.

The Conturex Vario XS 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 mostly maintenance-free and thus guarantee high machine availability.



TIME-NEUTRAL PARTS FLOW

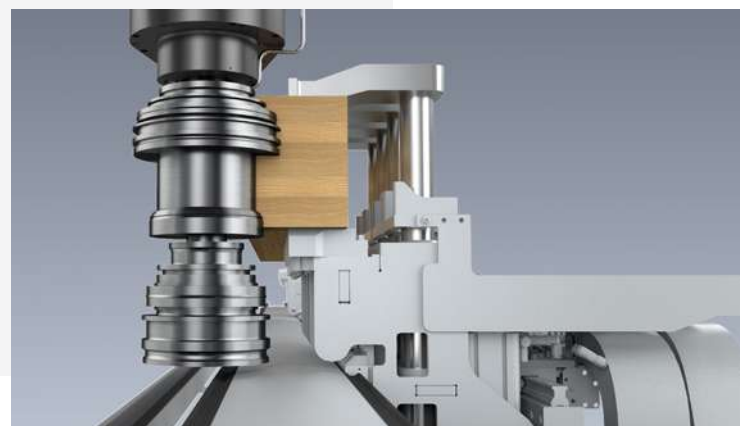
The Conturex Vario XS has a separate infeed and outfeed area. Loading and unloading takes place in a continuous flow principle without any loss of time. The ergonomic design also ensures that the workpieces can always be positioned and removed at the optimal height.

HIGH DEGREE OF AUTOMATION

Even in the standard version, the Conturex Vario XS 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 his 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 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? One that optimally supports you in your work and reduces processing errors to a minimum?

WEINIG Machine Control (WMC) is the perfect answer to your requirements. Thanks to the isometric representation of the tools on the display unit, the operator can immediately see which tools are in the magazine of the Conturex Vario XS and where it is located if replacement is needed. Visual warnings immediately draw the operator's attention to any positioned workpieces with incorrect dimensions. In this way, errors can be corrected very easily – long before they lead to extra costs or damage.



STANDARDS AND OPTIONS IN COMPARISON

	 Standard	 Optional
One portal - portal on both sides with 4 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, dual assignment		400–1,200 mm
Min. / max. workpiece length without resetting cycle, single assignment	175–3,000 mm	140–3,000 mm
Workpiece length with resetting cycle	3,000–4,500 mm	4,500–6,000 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, stepless 0 - 18,000 rpm, 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: Siemens 840D SL + WEINIG Machine Control		
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.

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!

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

We will be happy to support you!
Your WEINIG experts

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