

Top Technology for Wood Machining

*CNC-machining centres for
handicraft businesses and industry*

HAMUEL
REICHENBACHER
Members of the SCHERDELGroup



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REICHENBACHER wood machining

Wood is a living, but also delicate material, for the machining of which apart from the required precision also the careful handling of its surfaces is of importance.

Once the component has been clamped, 5-axis technology allows for the milling head to be moved all around it, thus eliminating a repeated clamping operation and unnecessary set-up time, while permitting an enormous increase in production efficiency.

No matter what job is to be done – the machining centres of Reichenbacher Hamuel make are real all-rounders and prove their utmost flexibility in milling, sawing, grinding, drilling and measuring.





From machine builder to system supplier

The selection of a suitable combination of proven standard components from a modular system provides access to many versions of equipping a unit. In addition to compact units with mobile portals, manufacturing cells are available, where a stationary portal is supplemented by several mobile tables.

The customer experiences a new dimension of working speed and repeatability when processing fronts, parts for interior construction, wooden decors, musical instruments, as well as when machining surfaces for model and mould construction and for all other wooden products.

Demands exceeding the possibilities of mere wood machining, for example those made in manufacturing big model parts, can be met by our comprehensive range of products without any problem.

Technology for perfect 5-axis machining

First-class quality and high safety standards – those who have used one of our machines appreciate the know-how gathered over more than 60 years. The inventiveness, flexibility, precision and reliability of our machines have convinced our customers who manufacture doors, staircases, windows, building elements, furniture and many other products from wood, the high-value natural material.

REICHENBACHER STANDS FOR:

- More than 40 years of experience in 5-axes and multi-axes technology
- Best quality at high machining forces and great cutting depths
- Safe clamping of large, flat components, as well as of small and intricate components
- Assurance of absolute user safety
- Minimum downtime to ensure cost-efficient production



Machining of staircase strings on an ECO with 2 automatic beam tables.



Machining of a furniture body part with a 15-spindle drilling unit in an ARTIS.



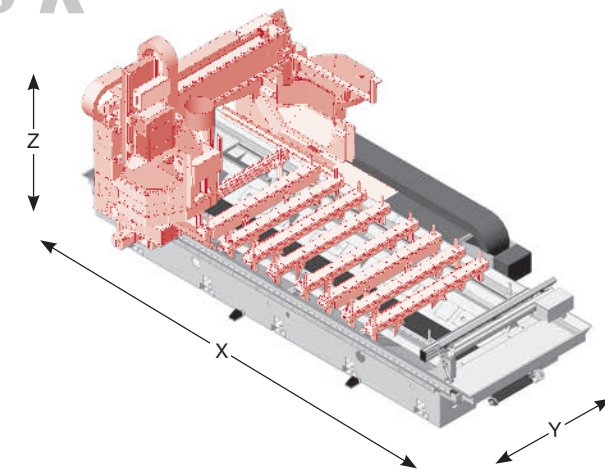
Cardanic 5-axis working unit (spindle 24 kW, undercut 20°) for the machining of solid wood.

CNC machining centre OPUS



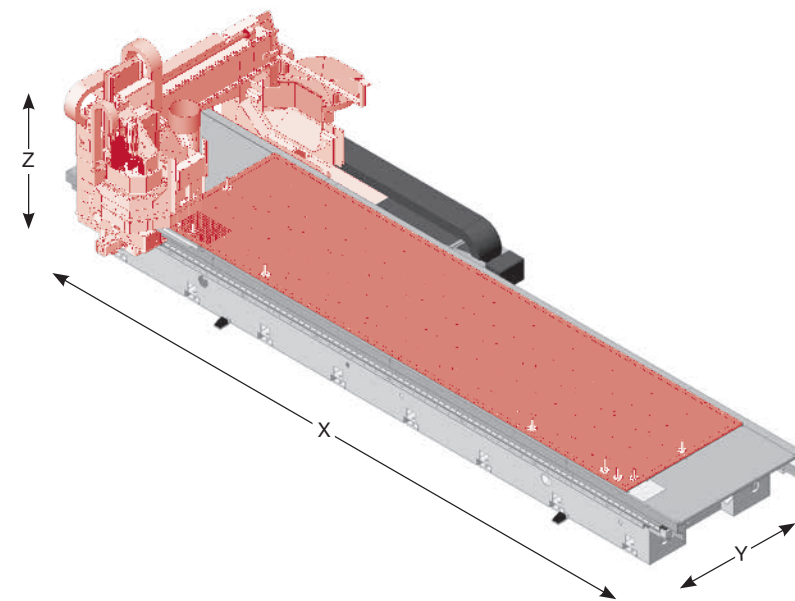
Cantilever configuration

OPUS-K

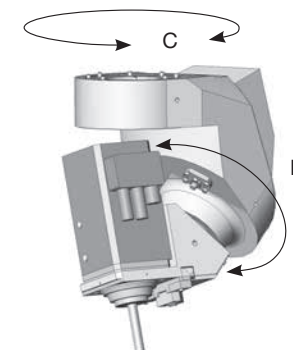


Characteristic for the **OPUS** series is its substructure with a fixed machine table. The compact machine body is in welded design. The tools perform all feed movements. Loading is effected either from the front or the rear longitudinal side of the machine. The unit moves in the Y- and Z-direction on the L-portal that can in turn be displaced in the X-direction. The illustration shows a machine with a console table.

OPUS-R



Design of the gantry version of the X-drive with two motors according to the proven Reichenbacher Hamuel principle with pre-tensioning mechanism. This guarantees high positioning accuracy and minimises gear rack wear throughout the entire life of the machine. Together with process-optimised control functionality, digitally driven axes with absolute measuring systems warrant for best machining results. The illustration shows a machine with a grooved table.



Even the standard scope of supply of the **OPUS** includes a cardanic working head and thus a full-value 5-axis machining unit. It is attached to the Z-slide. The spindle is installed at the rotary housing of the B-axis.

Production at the highest level

In order to understand the customers’ requirements, you have to gain a comprehensive insight: you have to listen, to query and to think outside the box – this is the only way to develop visionary machine solutions. The 5-axis CNC machining centre OPUS makes it easy for the woodworking trade to get started with innovative CNC-technology, since the high-quality of Reichenbacher Hamuel is behind this universal machine.

Handicraft businesses with rather limited space in the workshop will be thrilled, because this is precisely where the OPUS is unrivalled. Thanks to its compact design and the typical Reichenbacher safety concept with bumpers, the system is a real space saver and at the same time permits free accessibility for the loading and operation of the machine.

Joiners and carpenters sometimes are in charge of very individual projects. Tailored to fit this requirement profile, the OPUS offers clearly defined technical specifications. Its industrial controller equipped with NC-HOPS, the leading user programme in woodworking, which allows for the easy and safe programming even of complex components, immediately catches the eye.

For part clamping, the customer can choose between a manual beam table from Schmalz and a grooved table. The unit is always equipped with a suitable vacuum supply system that permits the adaptation of all customary clamping devices from Schmalz.

The OPUS System:

- **Compact design**
Height max. 2,660 mm
- **Standard components**
Schmalz vacuum technology
- **First-class service**
- **Intuitive operation**
WOP interface on 24“ touch screen
NC-HOPS
- **High flexibility**
5-axis machining with
12 or 15 kW spindle
- **Efficient drilling**
Drilling unit with 16 drilling spindles
- **Convenient loading**
Safety system in bumper design,
no step mats,
no protective fence
- **Attractive price**



This 5-axis machine guarantees technological progress, as you work faster, more flexibly, more precisely and, thanks to mechanisation, more competitively. The robust working unit and the high inherent rigidity of the machine portal enable machining at high dynamics and at the same time guarantee an excellent surface quality.

The extraordinarily high Z-axis also allows for the machining of component sizes that some of the specialists would not have dared to tackle before. The use of the OPUS will thus open up completely new fields of activity and, above all, permit the realisation of projects with significantly higher volumes.

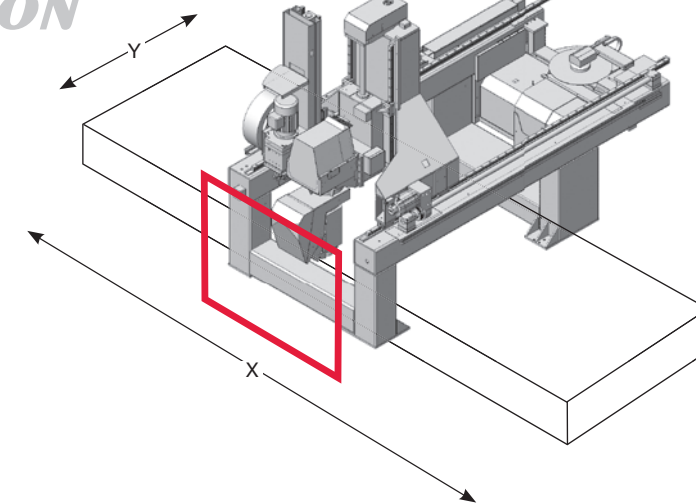
OPUS	Basic concept of the machine
Aggregates	5-axis milling unit with cardanic spindle
Additional equipment	16-place multi-spindle drilling gear Blasting nozzle, torque support
Spindle types	Standard: 12 kW (S1); 24,000 rpm; HSK-F63 Optional: 15 kW (S1); 24,000 rpm; HSK-F63
Tool changer	15-place plate changer up to 400 mm diameter as a standard Optional: pick-up bar with 10 places
Extraction and chip removal	Extraction hood (automatically height-adjustable); chip conveyor
Machine table equipment	Version: beam table with beams of Schmalz make incl. suction cups, fixed stop support and stops Version: grooved table with HPL table surface (grooved) incl. stops Version: PIN table with stops
Machining area	OPUS-3: 3,200 x 1,450 x 300 / 400 mm OPUS-4: 4,200 x 1,450 x 300 / 400 mm OPUS-5: 5,200 x 1,450 x 300 / 400 mm OPUS-6: 6,200 x 1,450 x 300 / 400 mm
Control system	Industrial standard Beckhoff (User interface Reichenbacher HMI, WIN 11, NC-HOPS 8) Mobile control panel & additional manual control unit Remote diagnostics (Teamviewer)
Further options	5-axis simultaneous machining LED positioning display Broken tool detection NC-HOPS extension packages

Subject to changes inspired by technical progress.

For craft businesses, this machine also scores in terms of reliability and investment security in the long term: you can rely on still receiving the same components, such as motors and plugs, in 10 to 15 years’ time. The OPUS is therefore reliable for a very long time.

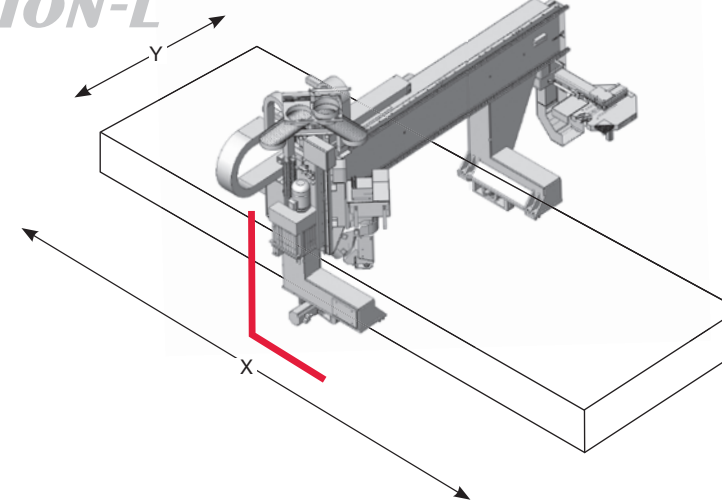
Not to mention the favourable service costs and the availability of after-sales service from the two established German companies behind it. The integrated remote maintenance package, which enables quick and easy support via Teamviewer, perfectly rounds off this performance.

vision



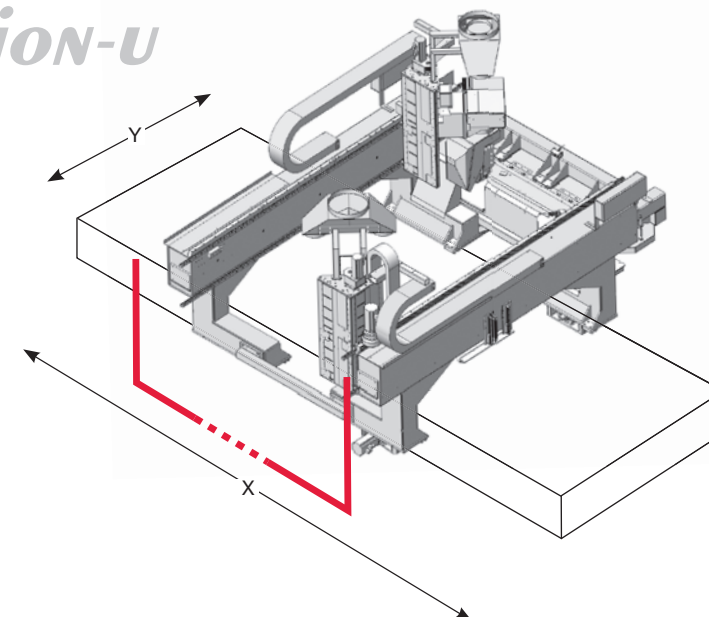
Characteristic for the **VISION** series is its machine substructure with a fixed table. The portal is mounted on this machine substructure and carries out the longitudinal movement (X-movement). All unit movements are performed within the enclosed portal equipped with safety bumpers. The main machine components are in ripped welded design to ensure an optimum rigidity or weight ratio, respectively. Thus, very good acceleration values can be obtained.

vision-L



The **VISION-L** allows for the mounting of up to two independent Y-slides one behind the other. Thus, the tools for a tool change can be taken from either of the two tool magazines while machining takes place in parallel, and the synchronous machining of two workpieces placed one behind the other can be effected – for example when 5-axis fork heads are used. The independent units are mounted on an L-shaped support and guarantee high up-time.

vision-U



Thanks to its U-shaped portal, the **VISION-U** offers a lot of varieties for parallel and single machining. This permits, for example, a tool change for both units from the same chain tool magazine while machining takes place at the respective other unit and omits the need to keep the same tool available twice. The use of up to two big cardanic 5-axis heads and of other comprehensive equipment guarantees maximum flexibility, such as the synchronous machining of two workpieces clamped one next to the other and/or one behind the other in an offset position.



The components show what the machine can do

In many demanding applications, the basic version of the VISION series has already proven its capabilities at our customers. Its stability and precision correspond to the standards set by all Reichenbacher Hamuel machines. The machines excel by their good dynamics and are therefore predestined for reducing manufacturing costs while keeping productivity high. This is why these machining centres are an excellent choice for the order-related manufacturing even of the smallest batch sizes. Moreover, they offer an outstanding cost-/performance ratio.

The VISION-L and -U types supplement the reliable VISION series. What is so special about these machines is their variability in size and their multitude of different machining units to choose from. Up to four independent Y-slides are available to be combined in these units for single and parallel machining purposes. Thanks to their extremely rigid machine construction, a diversity of machining units can be used next to each other or one behind the other.

Equipped with a cardanic working head, the VISION Sprint permits the three-dimensional machining of freeform surfaces and contours. Given this multi-side machining in freely definable planes, there are almost no limits to flexibility.

The VISION system:

- Even after around 30 years we are still market leader with our safety concept for machines with mobile portals
- Enclosed portal made of sheet steel with safety bumpers
- No safety shut-off mats
- No safety barriers
- Safe view of the working process through generously dimensioned windows



The high-performance units in the portal are supplied with tools either by plate magazines with 24 places or by a joint chain magazine with up to 80 places. In this case maximum time savings are possible by performing tool change in parallel. Owing to their high transmissible torque, the hollow cone shanks used are particularly suitable for high-speed machining. To perfect flexibility, a multi-spindle drilling unit with individually controllable spindles can be added.

VISION	Basic concept of the machine		
Unit configuration	3-axis milling units with vertical spindle 4-axis milling units with vertical spindle 5-axis milling units with cardanic spindle		
Additional units	Multi-spindle drilling units with 5 to 60 spindles Sawing units Printing and labelling system, laser labelling		
Types of spindles	Manufactured by Reckerth, HSD, Omlat, IBAG Power 3.5 kW – 55 kW Speed 0 – 60,000 rpm Tool holder HSK F25 – B80, ER 25, SK 40		
Tool changers	Tool changers with 24 to 80 places Pick-up for saw blades Pick-up for special units		
Extraction and chip removal	Extraction hood (rigid or adjustable in height) Chip conveyor Cleaning stations, table and component cleaning		
Machine table design	HPL table plate (smooth or grooved) Aluminium table plate (smooth or grooved) Manual beam table (system RH or Schmalz) Automatic beam table Steel bars with fitted and threaded bushes, zero point clamping systems		
Working area (strokes of the axes)	X-direction: VISION-I = 3,740 mm VISION-II = 6,140 mm VISION-III = starting at 6,940 mm (extension in steps of 800 mm)	Y-direction: VISION = 1,600 mm VISION-T = 2,200 mm VISION-TT = starting at 2,800 mm (extension in steps of 300 mm)	Z-direction: VISION = 480 mm VISION-H = 780 mm
Workpiece clamping	Vacuum clamping devices Pneumatic clamping devices Special clamping devices		
Control systems	Siemens Sinumerik ONE (operator surface HMI Operate, WIN 10)		
Control options	Mobile operator desk Suspended operator desk HT2 hand-held unit (as an option) HT10 hand-held unit (as an option)	Control extension (Siemens machining package milling) Control option remote diagnostics (SINEMA Remote Connect) Control option machine data recording Control option OEM runtime licence	
Safety equipment	Enclosure of the mobile portal including safety bumpers Light barrier (as an option) Safety fence (as an option) Laser scanners (as an option)		
Additional equipment	Loading and unloading systems Torque support for supplementary units Blasting nozzles Blast air ionisation Minimum quantity lubrication	Rotary feed-through for coolant Broken tool detection Tool recognition system Camera system Laser projector	

Subject to changes inspired by technical progress.

Highly efficient staircase production

This machine uses three additional milling motors for your staircase production. These units are mounted on the Y-slide and connected to the cardanic head. Each milling motor moves downward individually and is equipped with collet chucks.

As a standard, in staircase production one motor (9.0 kW) is used for shaping the outer contours of strings and steps. Another motor (6.7 kW) processes the slots and grooves at the steps and strings. The design of the third milling motor (6.7 kW) with integrated height-tracing (float-mounted) permits the manufacture of high-precision profiles at steps and strings. This concept allows for the main processes in staircase production to be assigned to several milling spindles.

Thus, tool changing time is minimised. The utilisation of the main milling motor at the cardanic working head is limited to horizontal and freeform processes, as well as to sawing processes at the steps. Moreover, the tool changing system moves along in the X-axis next to the main milling motor. Compared to other solutions, thanks to a reduction in tool changing time this machine concept results in a savings potential of about 20 % in staircase production.

The VISION-ST system:

- Free design of all conceivable types of staircases and their fully automatic production
- Best quality at high machining forces and great cutting depths
- Safe clamping of big flat components, as well as of small and curved components
- Assurance of absolute user safety
- Easy cleaning with little effort
- Minimum downtime for cost-effective production

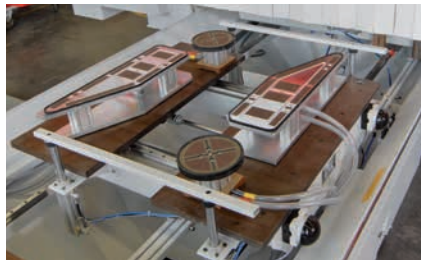


VISION-ST	Basic concept of the machine		
Unit configuration	5-axis milling units with cardanic spindle		
Additional units	3 vertical milling motors incl. 2 tracing rings Multi-spindle drilling units with 5 to 15 spindles		
Types of spindles	Reckerth make Power 15 kW Speed 1,000 – 24,000 rpm Tool holder HSK F63		
Tool changers	Tool changers with 12 to 80 places Pick-up for saw blades		
Extraction and chip removal	Extraction hood (rigid) Chip conveyor		
Machine table design	Manual beam table (system staircase RH) Automatic beam table		
Working area (strokes of the axes)	X-direction: VISION-ST = 6,140 mm	Y-direction: VISION-ST = 1,600 mm	Z-direction: VISION-ST = 480 mm
Workpiece clamping	Vacuum clamping devices Pneumatic clamping devices Special clamping devices		
Control systems	Siemens Sinumerik ONE (operator surface HMI Operate, WIN 10)		
Control options	Mobile operator desk Suspended operator desk HT2 hand-held unit (as an option) HT10 hand-held unit (as an option)	Control extension (Siemens machining package milling) Control option remote diagnostics (SINEMA Remote Connect) Control option machine data recording Control option OEM runtime licence	
Safety equipment	Enclosure of the mobile portal including safety bumpers Light barrier (as an option) Safety fence (as an option)		
Additional equipment	Torque support for supplementary units Blasting nozzles Broken tool detection	Tool recognition system Laser projector	

Subject to changes inspired by technical progress.



3x positionable milling motors mounted at the front of the Y-slide and connected to the cardanic working head.



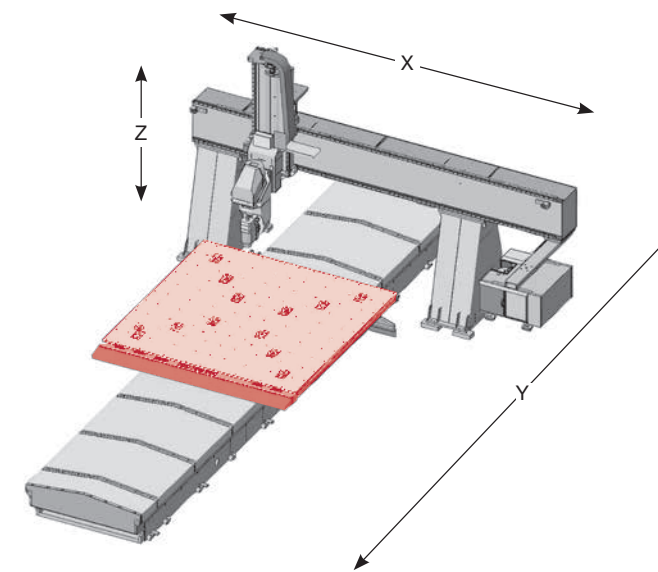
Clamping device left and right for the alternate machining of steps. Suction cup design: central suction cup and thus no need to change the device.



Interpolating 5-axis machining. The handrail is completely machined and cut to length. Design and programme established by your software company.

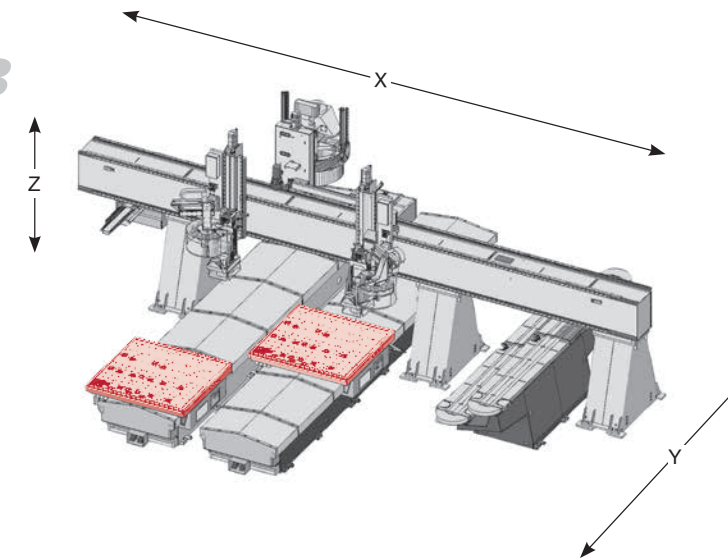


ECO-A



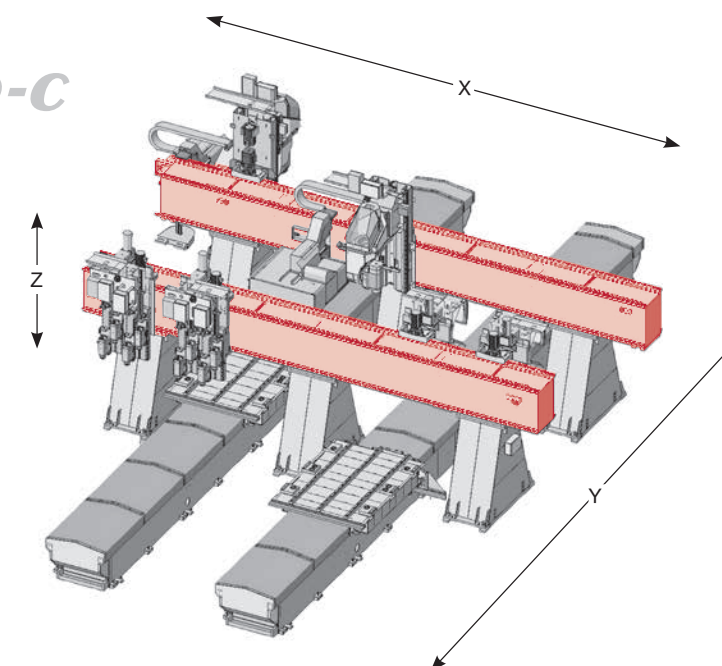
A fixed, low-vibration 2-column portal with one mobile machining table is the characteristic feature of the **ECO-A**. The machining dimensions, the configuration of its units, the tool changer, the clamping system for the workpieces, etc. can individually be adapted to customer specifications. The same applies to all machines of the ECO series.

ECO-B



A fixed, low-vibration 2-column portal with two mobile machining tables is the characteristic feature of the **ECO-B**. The tables are arranged directly next to each other and can be coupled to allow for the machining of large components.

ECO-C



A fixed, low-vibration 3-column portal with two mobile machining tables is the characteristic feature of the **ECO-C**. The tables are arranged between the left and centre portal column or between the centre portal column and the right one, respectively. The large distance between the tables and the existence of two machining tables permit the completely independent processing of components on the two halves of the machine.

A synonym for flexibility

The ECO machining centres, a series of utmost flexibility and efficiency, are proof of the experience Reichenbacher Hamuel has acquired in the field of special engineering. The ECO series combines all qualities of Reichenbacher Hamuel, such as reliability, swiftness and precision, to apply them to all types of machining. The low-vibration portal, which rests on two or three columns depending on the size and execution of the tables, carries one or several slides (as an option also at the rear side of the portal) that perform the transverse and vertical movements of the working units.

Depending on the manufacturing tasks at hand, the ECO can be equipped with one or two machining units controllable via separate NC-channels. The basic machine possesses one or two mobile machining tables. Moreover, there is the option of installing supplementary machine tables, for example to carry out set-up work while the machine is in alternate operation and to avoid production interruptions for loading purposes. Loading of the machining tables can be effected from three sides. The great variety of configurations always warrants for utmost production efficiency and up-time.

The ECO system:

- The great variety of configurations always warrants for utmost production efficiency and up-time
- Operation in parallel on two independent machining tables, which can also be coupled
- 5-axis fork-shaped or cardanic head for high-precision machining
- Upon request, customised solutions for machine table configuration or CNC-control system design will be projected and offered



A coordinate table, a programmable beam table with quick-clamping devices, and an automatic pin table permit the order-specific production of components of batch size 1 to the same quality standards as applied to serial production. The ECO is definitely no off-the-shelf machine. Your suggestions and requests will become the basis of our planning and elaborate offer.

Of course, our projecting and offer submission will take into account your wishes as to special machine dimensions, customised solutions regarding the configuration of the machine table or the design of the CNC-control system. At Reichenbacher Hamuel the ECO is not merely a machine, but part of a system.

ECO	Basic concept of the machine		
Unit configuration	3-axis milling units with vertical spindle 4-axis milling units with vertical spindle 5-axis milling units with cardanic or fork-shaped spindle		
Additional units	Multi-spindle drilling units with 5 to 60 spindles Sawing units Printing and labelling system		
Types of spindles	Manufactured by Reckerth, HSD, Omlat, IBAG Power 3.5 kW – 55 kW Speed 0 – 60,000 rpm Tool holder HSK F25 – B80, ER 25, SK 40		
Tool changers	Tool changers with 12 to 120 places Pick-up for saw blades Pick-up for special units		
Extraction and chip removal	Extraction hood (rigid or adjustable in height) Chip conveyor Cleaning stations		
Machine table design	HPL table plate (smooth or grooved) Aluminium table plate (smooth or grooved) Manual beam table (system RH or Schmalz) Automatic beam table Steel bars with fitted and threaded bushes		
Working area (strokes of the axes)	X-direction: Customer-specific	Y-direction: Customer-specific	Z-direction: Customer-specific
Workpiece clamping	Vacuum clamping devices Pneumatic clamping devices Special clamping devices		
Control systems	Siemens Sinumerik ONE (operator surface HMI Operate, Win 10)		
Control options	Mobile operator desk Suspended operator desk HT2 hand-held unit (as an option) HT10 hand-held unit (as an option) Control extension (Siemens machining package milling) Control option remote diagnostics (SINEMA Remote Connect) Control option machine data recording Control option OEM runtime licence		
Safety equipment	Mobile tables with safety bumpers Light barrier (as an option) Safety fence (as an option) Laser scanners (as an option)		
Additional equipment	Loading and unloading systems Torque support for supplementary units Blasting nozzles Blast air ionisation Minimum quantity lubrication	Rotary feed-through for coolant Broken tool detection Tool recognition system Camera system Laser projector	

Subject to changes inspired by technical progress.

Mature flexibility....

Top technology for staircase machining



Passion for unique staircases

The secret of staircases realised way beyond conventional standards is the combination of craftsmanship with ultra-modern 5-axis CNC technology. Thanks to its extraordinary precision and flexibility, the latter has gained a significant place in the production plant of a staircase manufacturer. After all, the VISION can process anything made from solid wood, aluminium, composite or solid surface material.

Here, the programming is essential for the entire process. Sophisticated software turns initial ideas into precise planning and production steps. All relevant factors, such as the optimum pitch ratio, are calculated and shown in 3D simulation, followed by the creation of the data required for machining and their transfer to the CNC.



Staircases connect (living) spaces

If you want to keep up with the visionary design concepts of architects, you have to be technically versatile. Two different CNC systems always enable the process planner to assign the immense range of components, which consists of different short or long stringers, steps, handrails, posts or special components, to the machine that, due its technical equipment, optimally implements the machining modes.

Apart from the VISION with automatic beam table, a chain tool changer with space for 60 tools and a multi-spindle drilling gear, a system with grooved HPL table and a pick-up place for large saw blades completes the machine park. Thus, for high components, the system with a Z-axis of 735 mm proves its advantages, while for elements requiring many drilling and milling operations, the system with a large number of tools is predestined for economic process optimisation.

A door at your fingertips...



© Bach Helden AG

Perfect interaction in door manufacturing



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Challenging special and fire protection doors

Customers often design products with complex demands on construction, dimensioning and materials. The CNC simultaneous technology with radius correction is the perfect way to meet these requirements – for the production of sound insulation elements or perforated parts, for example.

The ECO is equipped with two separately movable machining tables. The machining of high-density materials and composites is just as effortless as that of lightweight construction materials, wood materials and plastics. Special probing cycles ensure dimensionally accurate machining in all axes. Two high-performance 5-axis units, two tool magazines with 40 places, each, and special places for circular saw blades, provide a high degree of flexibility. Powerful blast nozzles guarantee the optimum cleaning of the components and thus high quality and a long service life of the tools.



Realising brilliant door concepts

Unlike almost any other component, doors are subject to daily wear and tear. The modern VISION high-performance system has been perfectly adapted to the requirements of a door manufacturer to achieve a significant reduction in processing times in their special doors programme. The heart of the 4-column portal machine are two 5-axis units with vibration monitoring system, two PIN tables and a chain tool magazine with 60 places.

The advantage of two units is obvious: while one is drilling the hole for a door peephole, the other is already set up for the next work step, for example the milling of light cut-outs. Downtimes have thus become a matter of the past. The machine bed is equipped with two additional unit slides, which move via separate NC axes. Each slide possesses milling-drilling motors with fixed tooling, one lock case and one fitting groove cutter, which are positionable with respect to each other.

Nesting / formwork construction



Formwork at your fingertips

Spectacular geometries

The complexity of geometrically demanding structures in combination with fair-faced concrete is a remarkable challenge. For a tower made from fair-faced concrete dyed red, which tapers more and more towards the top, 100 m² of filigree special formwork including battens and joints was required, which consists of individual small-scale boxes. The VISION machining centre with a grooved HPL table surface can set new standards, both in terms of accuracy and speed but also of flexibility.

The 5-axis machining centre with nesting operation, which has been conceived for maximum panel sizes of 2.50 m x 5.50 m, is equipped with a lifting table and a printer unit on the loading side and a table with a brushing and push-off station on the unloading side.



Formwork determines the shape

Milling of all the components for the formwork is from coated or raw chipboard and birch multiplex panels. For example, vario elements with pre-drilled holes or cutouts for windows or doors come from the 2.50 m x 5.50 m 3-layer panels, and round covers with a diameter of 70 mm from small raw panels.

The 5-axis unit carries out milling, sawing and grinding work, as well as construction holes. The high degree of prefabrication results in enormous efficiency on site. Since all components delivered are marked with a numerical code, you know immediately where which component goes.

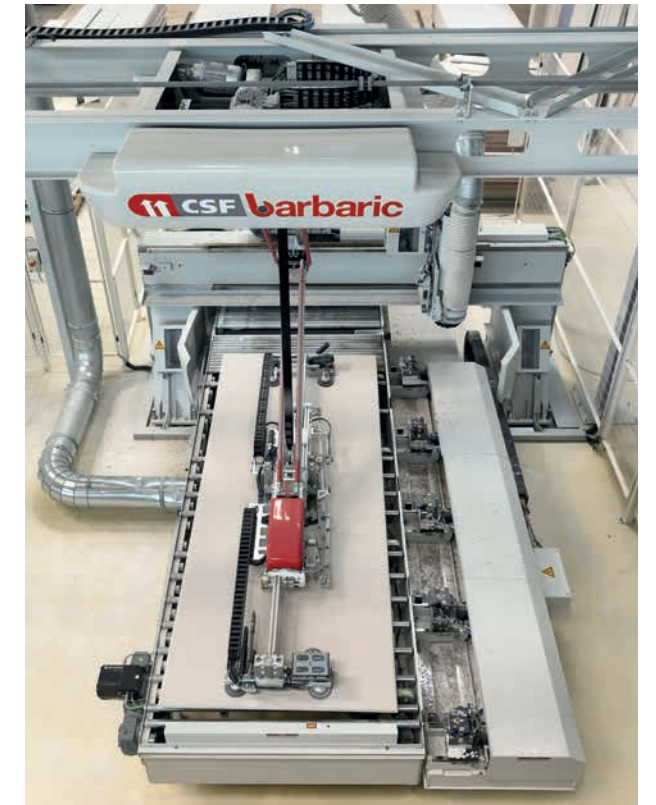
The planning, prefabrication and assembly of the 3D formwork to give the concrete its shape is computer-assisted. The more geometrically complex the formwork is, the more capable of flowing and at the same time more pressure-resistant the concretes used have to be. In this context, one often chooses special high-performance concretes for statically relevant components.



Extra strong panelling

What is so special about energy-efficient buildings, which stand out due to their high-quality workmanship and first-class materials, is continuous innovation. Particularly noteworthy are walls with wood fibre insulation and extra strong panelling made of gypsum, a natural building material, as they ensure a healthy indoor climate thanks to their perfect temperature and moisture balance.

At the core of the wall production is a panel machining CNC centre ECO implemented within an existing production sequence to improve the process flows. Production 4.0 means digitising even more profoundly, making workplaces more ergonomic and optimising processes in such a way that the right panels are always available at all production stations at the right time for each specific construction project.



High degree of prefabrication using a through-feed system

The highly efficient through-feed system is a central component in the overall process. An area storage system with 14 places precedes it, where the arrangement of the panel stacks is in line with the quantities required. A flexible gripper system moves raw panels with maximum dimensions of 3,500 x 1,280 x 25 mm and transports them into the CNC unit via a motor-driven roller conveyor. Then five positionable grippers aligned along the table on a slide hold the panel in place. The sectioning and cutting to size of the panel are the next steps.

Those who rely on a high degree of prefabrication want to deliver almost completely closed façade components to the construction sites, i.e. including façade formwork, plaster and with windows and doors in place. For this purpose, the CNC carries out all formatting, such as socket, door and window cut-outs, anchoring angles, fixing holes, bevel cuts for gables and other technically necessary notches. A central CAD planning system provides the complete data sets with the correct project reference for all workstations. This saves time and ensures optimum fitting accuracy and high quality. Thus, the intelligent interlinkage of all components in the sense of a smart factory makes a significant contribution to an increase in efficiency.





Machining centre type ECO with tables that can be coupled for the processing of plate sizes up to 3.3 x 7.0 m.



VISION with pin table: 12 corner steps are machined within 12 minutes (including set-up).



VISION-III-T for machining walls for wooden houses up to dimensions of 13,500 x 3,200 x 250 mm.



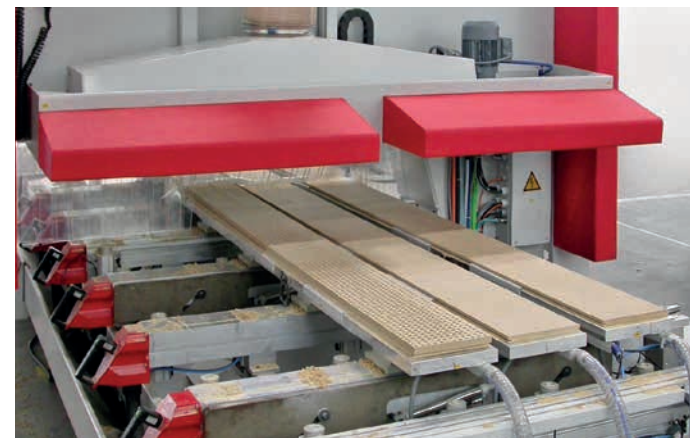
Working units of a VISION-ST (staircase production) with 5 axes and three additional milling motors.



Glulam-machining (up to 50 m) with a 5-axis working unit (spindle 55 kW, saw blade 800 mm).



ECO with 2 tables and 4 units for nesting, including tool changers with 12 places to move along.



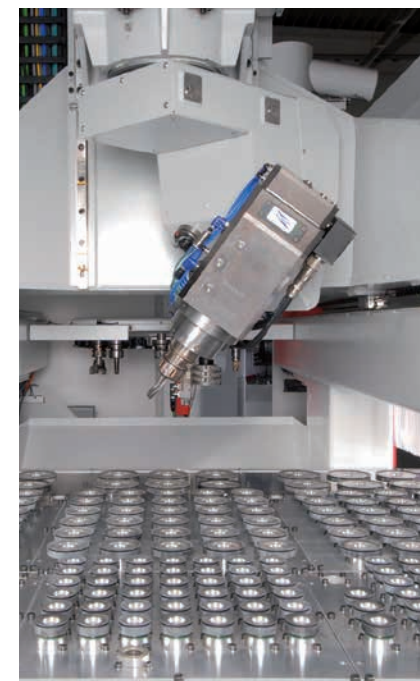
Special clamping devices for the machining of doors, furniture, tables and acoustic panels.



Automatic beam table with individually controllable clamping devices for the machining of round window arches.



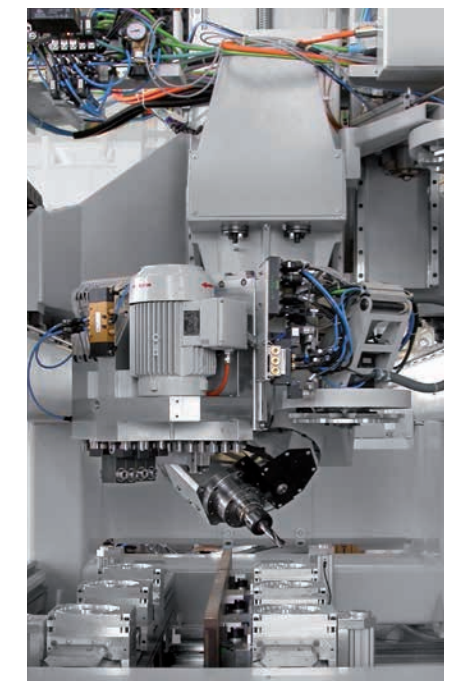
Door machining with cut-out on a VISION with automatic beam table.



Completely new possibilities open up for the production of individual pieces, when a pin table is used – a unique table and clamping version.



Automatic beam table, multi-spindle drilling unit with 25 places and chain tool magazine with 36 places.



Up to four units warrant for maximum flexibility at high efficiency.

Qualified service for your CNC-applications

Our machining centres are renowned for their high capacity and up-time, their long service life and their particular ease of operation, assembly and service. A service unit responsible for the after-sales service for Reichenbacher Hamuel machines worldwide will be at your side so that you can make optimum use of these advantages.

Service department

Our service department can be reached under the following telephone numbers:

Monday – Thursday from 7 a.m. to 5.30 p.m.

Friday from 7 a.m. to 3.30 p.m.

Customer hotline +49 9561-599-300

Spare part service +49 9561-599-400



Premium service

Availability of our hotline:

Monday – Thursday from 5.30 p.m. to 10 p.m.

Friday from 3.30 p.m. to 10 p.m.

And on Saturday, Sunday and public holidays from 8 a.m. to 4 p.m.

- Guaranteed reaction within 24 hours
- Quick and uncomplicated remote servicing free of charge
- Fitters on-call duty also over the weekend
- Spare part availability and immediate delivery

