

PRO VER A 12/15/18

CNC MACHINING
CENTRE



 **BIESSE**

COMPETITIVENESS FOR TECHNOLOGY AND PERFORMANCE



THE MARKET EXPECTS

a change in manufacturing processes which enables companies to **accept the largest possible number of orders**. This is coupled with the need to maintain high quality standards whilst offering product customisation with **quick and defined delivery times**, as well as responding to the needs of highly creative designers.

BIESSE RESPONDS

with **technological solutions** that influence and support technical expertise as well as process and material knowledge. **Rover A 12/15/18** is the flexible new high-performance CNC machining centre with a gantry structure, designed for customers who want to invest in a product that can process any type of element quickly but with excellent results. The Rover A 12/15/18 boasts a quality-competitiveness ratio without equal on the market, making it the ideal investment.



ROVER A 12/15/18

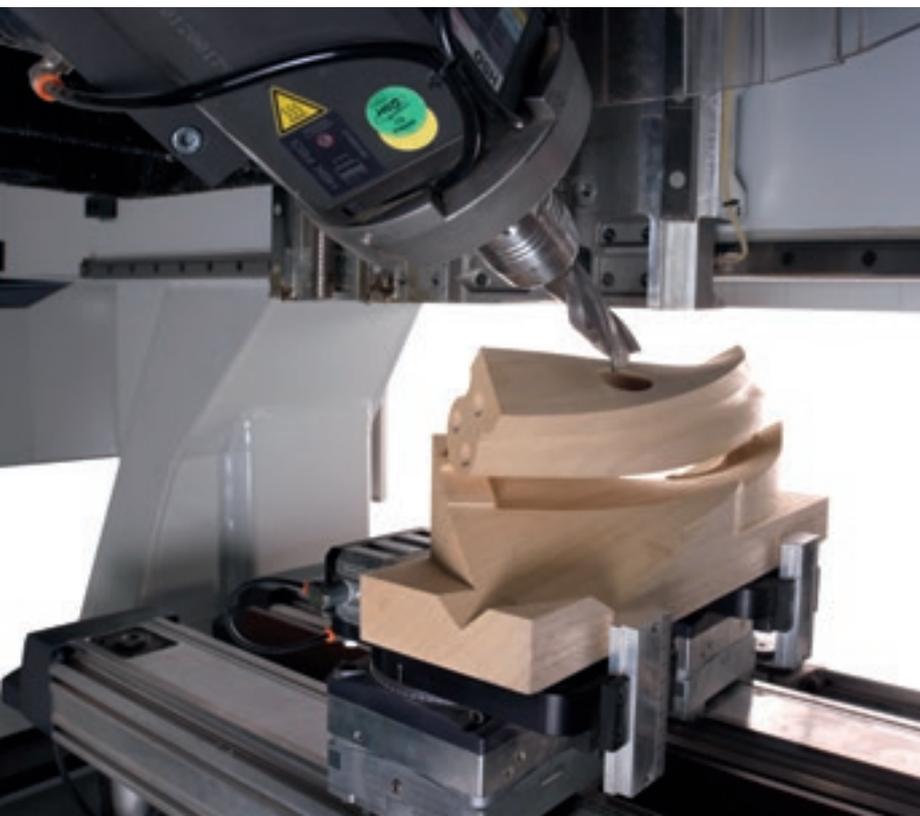
- ✔ OPTIMUM PERSONALISATION
- ✔ ERGONOMIC, COMPACT AND ROBUST
- ✔ TOP RANGE COMPONENTS
TO ENSURE RELIABILITY WITHOUT COMPROMISES
- ✔ SIMPLE, QUICK AND SAFE TOOLING
OF THE WORKING AREA

SUITABLE FOR A WIDE RANGE OF MACHINING OPERATIONS WITH 3, 4 AND 5 AXES

No machining limits:
the Rover A adapts to the production of every part, whether it be windows, doors, stairs, tops, furnishing elements or anything else.



TECHNOLOGY BASED ON 5 INTERPOLATING AXES WITH CONTINUOUS ROTATION



The continuous rotation of the B and C axes of the 5-axis milling unit (obtained thanks to technologically advanced components) guarantees the maximum machining speed and optimum quality of the end product.

ERGONOMIC, COMPACT AND ROBUST

360°

An extremely compact machining centre designed to adapt to the production space in which it is installed. Enables the operator to safely access all sides of the machine at all times, with no obstacles on the ground.



The new Rover A 12/15/18 is designed to offer maximum performance in an extremely compact solution with the minimum working dimensions.



The Rover A enhances its range, increasing its performance levels for solid wood machining.

Thanks to the Gantry structure, inherited from the higher range, it can withstand notable machining strain whilst still guaranteeing optimum reliability and the typical precision of solid wood machining.



TOP-OF-THE-RANGE COMPONENTS

The components of the Rover A 12/15/18 are the same as those for the top-of-the-range solutions, to ensure constant results over time.

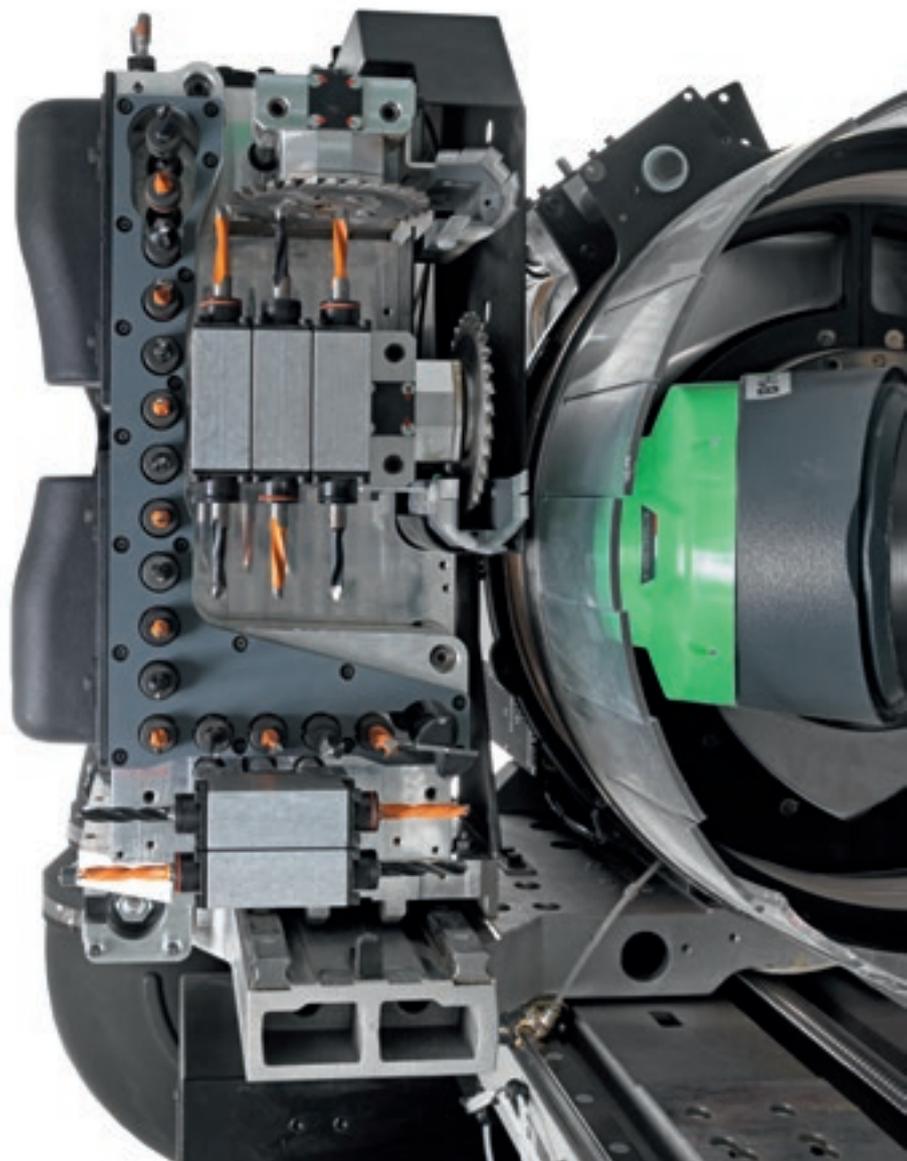
The new BHZ 29 2L boring head is equipped with automatic lubrication and a highly efficient rigid suction cap for a cleaner environment. It's liquid-cooled for maximum precision.



Automatic lubrication boring head BHZ 29 2L.



The cooling system reduces the thermal expansion of the borer and guarantees excellent reliability and precision.



The milling and boring units and the aggregates are designed and made for Biesse by HSD, a world leader in this sector. They guarantee top power, compact dimensions and excellent finishing standards.



The **C Torque axis** has no gears so it's very rigid and ensures fast positioning, as well as being a highly precise technical solution because it's not subject to wear.

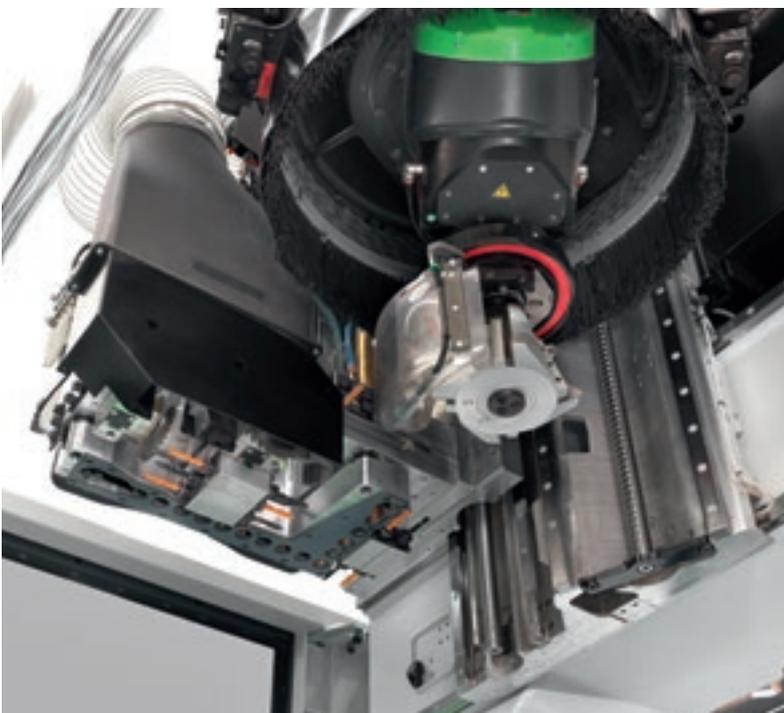


The 5-axis unit (16.5 kW) and electrospindle (19.2 kW), both with 6 large ceramic bearings, guarantee top removal levels and the best finishing quality.

ABILITY TO PROCESS LARGE SIZES

The entire working area is covered by all the milling and boring units to ensure optimum efficiency.

With the tools covering the entire X and Y working field, the Rover A is extremely flexible and can process complex pieces of considerable size.



THE DOUBLE Z AXIS VERSION OF THE ROVER A ALLOWS PIECES WITH A THICKNESS OF UP TO 275 MM TO BE POSITIONED IN THE MACHINE, WHILE THE SINGLE Z AXIS VERSION ENABLES PIECES WITH A THICKNESS OF UP TO 245 MM TO BE PROCESSED.

TOOLING SIMPLICITY AND A MULTITUDE OF TOOLS READY TO HAND



Rack tool magazine with 12/23 places



Revolver tool magazine with 8 places



Revolver tool magazine with 13/16 places



Chain magazines with 14/21 and 22/33 places



The **Pick Up** station supports automatic tool-holder rack tooling.

Up to 56 tools always ready for any type of machining operation, with automatic loading via the working unit. The high number of tools always ready in the magazines means the elimination of non-productive time for magazine retooling.

5 AXES

USER-FRIENDLY TECHNOLOGY

The high technological content of the world's most popular machining centres, meets the requirements of wood industry professionals.

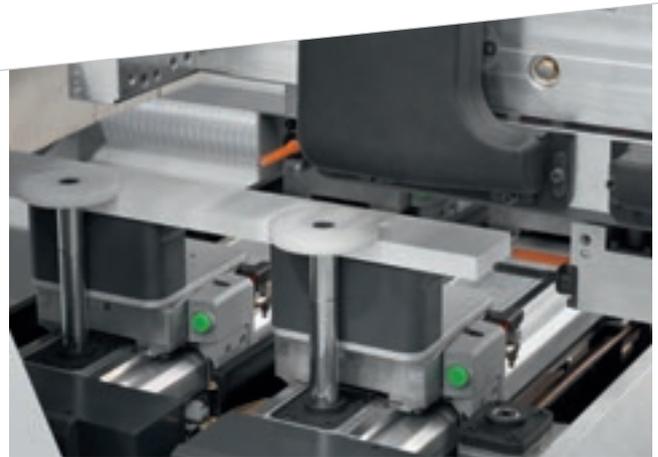
The HSD operating section with 5 interpolating axes, with 13 kW or 16.5 kW power and 360° continuous rotation on the vertical and horizontal axes, can machine complex shapes whilst ensuring quality, precision and 100% long-term reliability.



SIMPLE, QUICK AND SAFE TOOLING OF THE WORKING AREA



Locking systems **based on a vacuum**.



Easyclamp locking system for machining narrow pieces.



Uniclamp and Hyperclamp pneumatic locking systems with quick release, for firm and precise locking.



The working area guarantees the locking of pieces of any shape or size. The tooling of the working area is simple and quick.



Easy Zone

Supplementary vacuum system for the quick and easy clamping of several elements on the machine.

Multi-area

Allows several elements to be locked in a simple, fast manner using a vacuum or Uniclamps and Hyperclamps.

Activation of locking systems

Thanks to a line of photocells on the front side of the base, the locking systems can be activated from any point on the machine.



Lifters to assist with loading large and/or heavy pieces. Made of aluminium, each is equipped with two cylinders with sensors. Vertical descent occurs at low pressure.

DIFFERENT POSITIONING SYSTEMS IN THE WORKING AREA, TO SUIT EACH INDIVIDUAL PROCESS



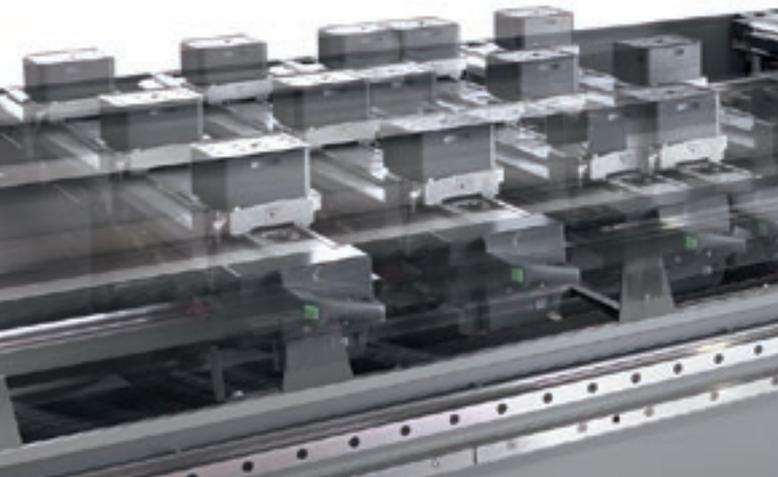
ATS (Advanced Table-Setting System)

For the quick and easy manual positioning of the clamping systems.



SA (Set Up Assistance)

For the quick, easy and controlled manual positioning of the clamping systems. The linear sensors in the work table, along with the collision control function, reduce the risk of collisions.



EPS (Electronic Positioning System)

For the quick, automatic positioning of the clamping systems in the programmed positions. The motors, along with the collision control function, ensure controlled positioning movements to reduce the risk of collisions.

FPS (Feedback positioning system)

Evolution of EPS, with unique linear sensors that ensure extremely precise locking system positioning and can tell you those positions at any moment, even after manual interventions by the operator. The Self Learning function allows the manual positioning points of the vacuum modules and pneumatic locking clamps to be automatically stored in the program by means of a simple command.

XPS POSITIONING SPEED AND PRECISION



XPS - EXTREME POSITIONING SYSTEM is the first solution on the market for the best results in terms of positioning speed and precision. Fitted with a motor for every work table and every carriage, it enables the simultaneous positioning of all the locking systems. XPS not only positions the vacuum modules and pneumatic locking clamps, but also helps the operator in the loading phases and moves the pieces during program execution without any need for the operator to intervene manually. The MULTI-ZONE system (fitted as standard) enables the creation of up to 16 fully independent locking areas.

CFT: TWO MACHINES IN ONE, COMPETITIVENESS GUARANTEED



The new CFT system designed by Biesse makes the machine extremely flexible, so any type of job order can be processed.

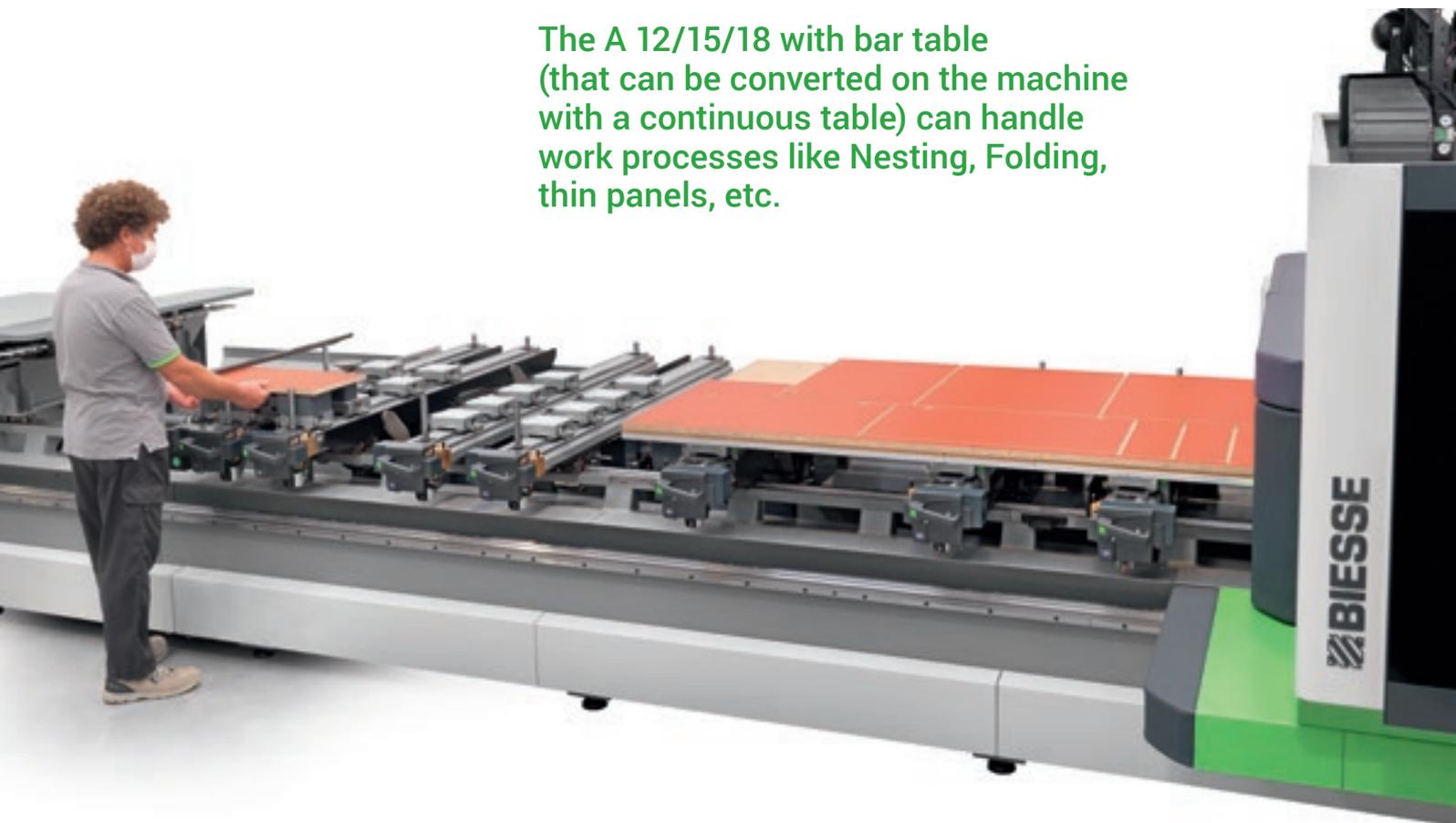


Passing from a machine with bar table to one with a continuous table is quick and easy thanks to the quick connection CFT modules.



WATCH THE VIDEO

The A 12/15/18 with bar table (that can be converted on the machine with a continuous table) can handle work processes like Nesting, Folding, thin panels, etc.



Sectioning in nesting mode produces customised, squared pieces from a large panel. The individual pieces can be completed in the opposite working area, with all those machining operations that can't be carried out on the continuous work table (horizontal bores, undercut operations, etc.).

In the case of a work table with numerical control positioning, the vacuum modules and bar tables are positioned automatically, without the need for any manual intervention by the operator.



SOLUTIONS THAT MAKE THE USE OF OUR MACHINES SIMPLER, MORE ERGONOMIC AND MORE EFFICIENT



SINGLE CONTROL STATION WITH TWIN MONITORS AND LABELLING MACHINE

The machine can be controlled and labels printed (for piece identification) from a single command point. Solution that greatly enhances the machine ergonomics.

PRINTER ON THE MOBILE CONSOLE

The printer is connected directly to the machine PC, and positioned so that everything needed for labelling is close to hand.

Biesse has developed a series of solutions that help the operator in the various work phases, making daily tasks easier. myVA is a virtual assistant for every operator.

WEARABLE BAR CODE AND QR SCANNER

Used to upload programs in the work list, reading the information given on the label and activating the subsequent machining phases.

QR codes or bar codes are read quickly and accurately, leaving the operator's hands free (unlike the classic scanner).



MAXIMUM OPERATOR SAFETY

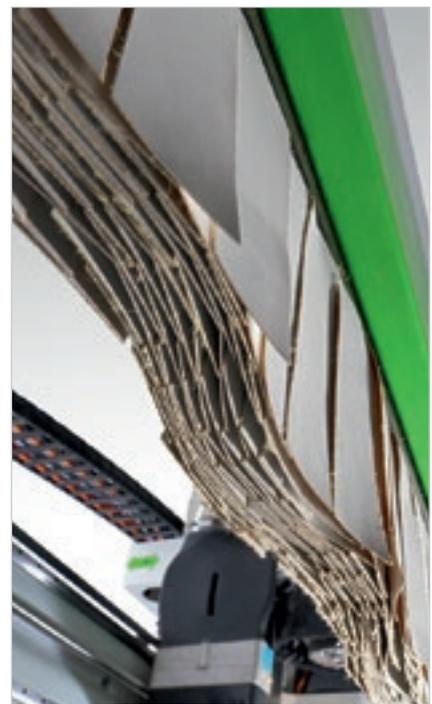
Biesse machines are designed to work in complete safety.

VARIOUS SOLUTIONS AVAILABLE

- With the new “full bumper” solution, the work table can be accessed from every side - this is the most ergonomic solution.
- Solution with **mats** only, for speed and productivity.
- **Bumper plus photocells** solution, combining productivity with ergonomics



Total protection of the working unit. The wide hatch provides maximum visibility of the machining operations, as well as ensuring easy access to the working units.



Overlapping lateral curtain guards protect the working unit.

MAXIMUM VISIBILITY OF THE WORKING UNIT TO WORK IN COMPLETE SAFETY



The internal LED lighting provides excellent visibility, guaranteeing safe working conditions.

LED bar with 5 colours, indicating the machine status in real time, allowing the operator to check the machine status at any point.



TECHNOLOGY AT THE SERVICE OF THE USER



New console with Windows real-time operating system and B_SOLID software interface, including anti-collision system.

OPTIMAL CLEANING OF MACHINED PIECE AND WORK AREA



Motorised mat for chip removal.

The Rover A has various optional solutions for automatically cleaning both the panel and the area around the machine, saving time for the operator.



Carriage for collecting and removing chips and waste.

REDUCED CLEANING TIMES TO ENSURE MAXIMUM PRODUCTIVITY



Forced flow deflector with a built-in blower that increases the movement speed of the chips inside the deflector, for better machine cleaning results.



Multi-step 12-position suction hood with automatic positioning via the program, or with **continuous numerical control positioning** (for milling units with 3/4 axes).



Multi-step 19-position suction hood with automatic positioning via the program, or with **continuous numerical control positioning** (for milling units with 5 axes).

THE MOST ADVANCED TECHNOLOGY CLOSE AT HAND

bTouch is an optional feature that can be purchased after purchase of the machine to enhance the functionality and the usage of the technology available.



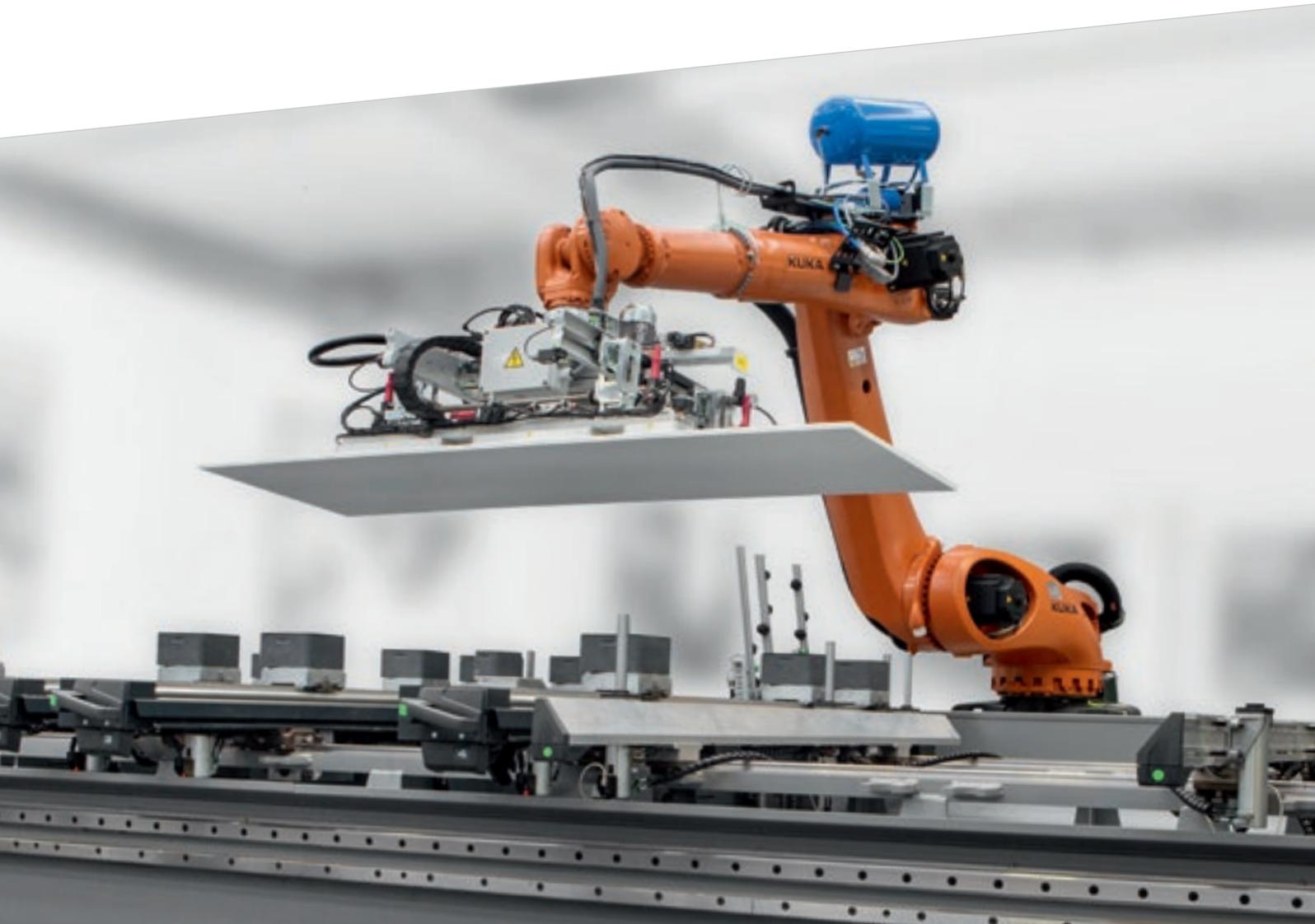
bTouch is the new 21.5" touch screen which enables you to carry out all of the functions previously performed using the mouse and the keyboard, enhancing the direct interaction between the user and the device.

Perfectly integrated with the B_SUITE 3.0 interface (and with later versions) and optimised for touch, this solution is incredibly simple, and makes the best possible use of the Biesse software functions installed on the machine. The screen has a maximum resolution of 1920 x 1080 (Full HD) at 60 Hz.

Specifically, you can:

- ✔ create any CAD programme (including parametric programmes), with layouts and machining operations
- ✔ move, rotate and increase the size of objects (panel, NC machine, tool etc.) present within the CAD/CAM area
- ✔ quickly and simply complete warehouse tooling, by dragging the tools into their designated places
- ✔ prepare the machine for the correct positioning of the panel (machine set-up), moving tables and carriages into the desired position
- ✔ send a programme machining list, change the parameters and send it to the NC machine for processing, manage all the controls present in soft-console.

EFFICIENT PRODUCTION, WITH NO LIMITS



Rover range can be perfectly integrated in a line with robots (ROS) and loading/unloading systems. It's the ideal solution for those who need automated solutions for producing large batches.

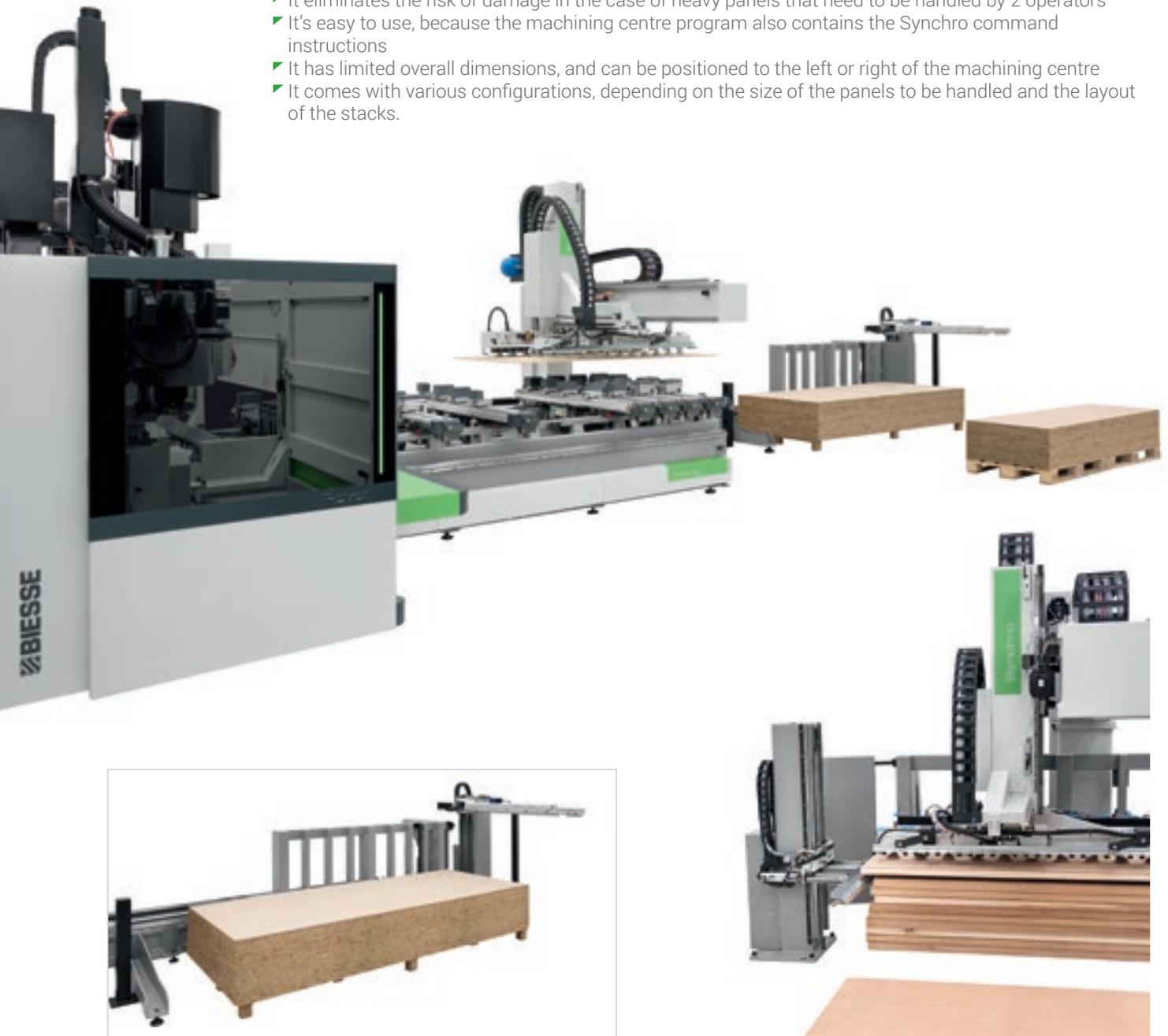
INCREASED PRODUCTIVITY AND REDUCED PRODUCTION COSTS, THANKS TO:

- ✔ The possibility of working with twin stations, with piece loading and unloading while the machine is running.
- ✔ Reduced working time for the operator.
- ✔ Simplification of work for the operator.
- ✔ Machining operations that require no supervision and have no time limits (24/7).

LOADING AND UNLOADING SOLUTIONS

Synchro is a loading/unloading device that transforms the Rover machining centre into an automatic cell for producing a stack of panels autonomously (without the need for an operator):

- ✔ It eliminates the risk of damage in the case of heavy panels that need to be handled by 2 operators
- ✔ It's easy to use, because the machining centre program also contains the Synchro command instructions
- ✔ It has limited overall dimensions, and can be positioned to the left or right of the machining centre
- ✔ It comes with various configurations, depending on the size of the panels to be handled and the layout of the stacks.



Mechanical detacher

Increases the reliability and repeatability of the automatic functioning cycle of the cell, compensating for the lack of alignment of the panels in the stack. It consists of a central or lateral mobile stop equipped with blowers to allow for the separation of the panels in the stack.

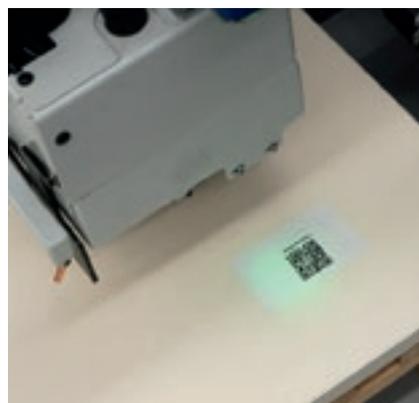
Automated cell for machining a batch of panels or doors.

Synchro can also machine stacks of different-sized panels, thanks to stack reference device and the panel pre-alignment cycle, which is performed while the machine is running, while the Rover machining centre processes the previous panel.

Panel pick-up device with automatic positioning of the suction cup holder rods

In accordance with the size of the panel to be picked up:

- ✔ No operator intervention is required to attach or remove the suction cup holder rods
- ✔ Idle time during format change operations is dramatically reduced
- ✔ The risk of collisions caused by incorrect tooling operations is reduced.
- ✔ Available in multi-zone mode with independent activation of the suction cups
- ✔ The suction cups can be configured with internal blowing to manage porous materials

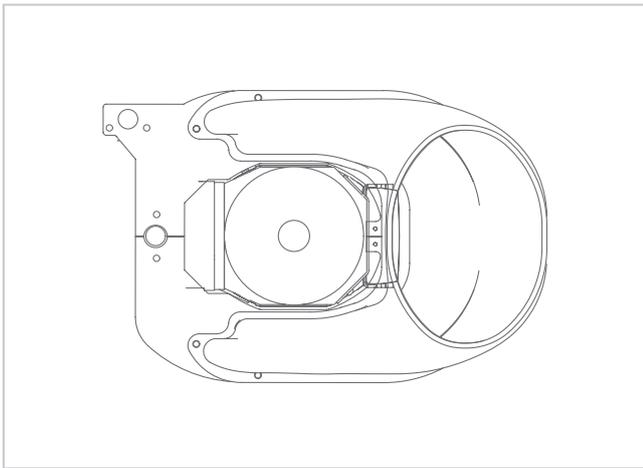


Two types of **bar code readers** are available for reading the bar codes on the top face and on the side face of the panel. These can be used to load the proper machining programme list avoiding operator error.

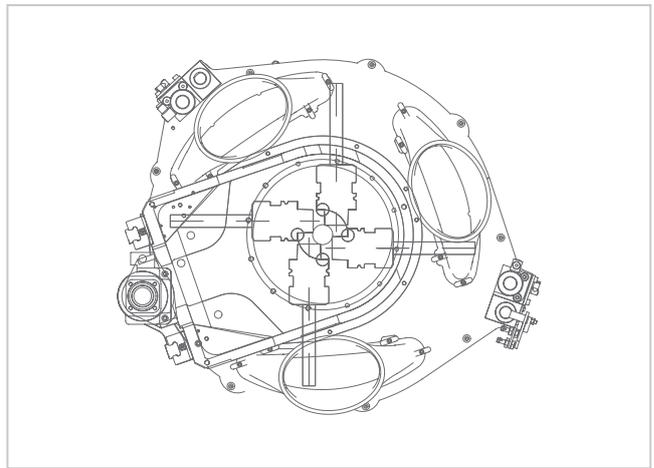
Dedicated configuration for the simultaneous loading/unloading of 2 panels, to maximise machining centre productivity:

- ✔ 0 operators
- ✔ 1 machining program
- ✔ 2 panels

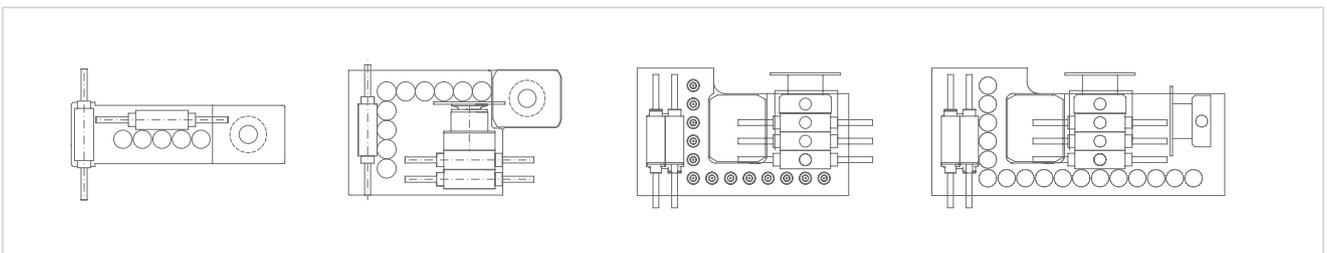
WORKING UNIT CONFIGURATION



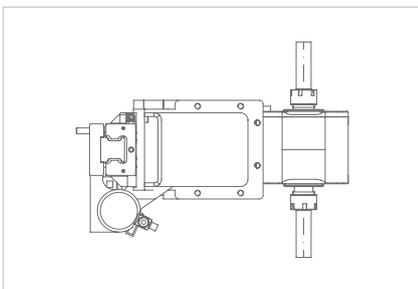
4-axis milling unit with air or liquid cooling and power levels up to 19.2 kW.



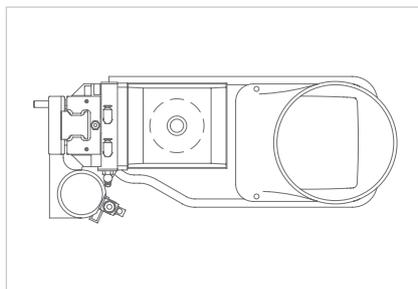
5-axis head with power up to 16.5 kW.



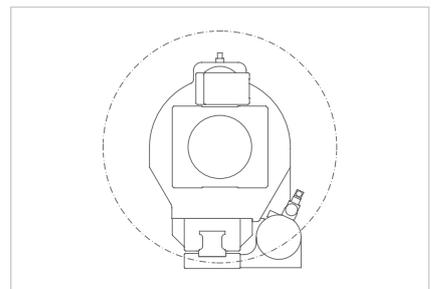
Available boring heads from 9 to 29 positions:
BHZ 9 - BHZ 17 L - BHZ 24 L - BHZ 29 2L.



2 outlet horizontal milling unit.
Motor power 6 kW.



Vertical milling unit
Motor power 7.2 kW.



Multi-function, with 360° rotation.

A COMPLETE RANGE OF AGGREGATES



EXCEPTIONAL FINISH QUALITY, INCREASED PRODUCTIVITY



Horizontal motor with two outlets for the routing of locks and horizontal machining operations.



Fixed vertical motor dedicated to additional milling operations (slot, anti-splintering, etc.).



The NC controlled **multi-function unit** can be infinitely positioned on a 360 (degree) rotation. It can also be used to house aggregates for specific machining operations such as pocketing for locks, hinges, deep horizontal holes and edge-trimming.

TECHNICAL SPECIFICATIONS

WORKING FIELDS

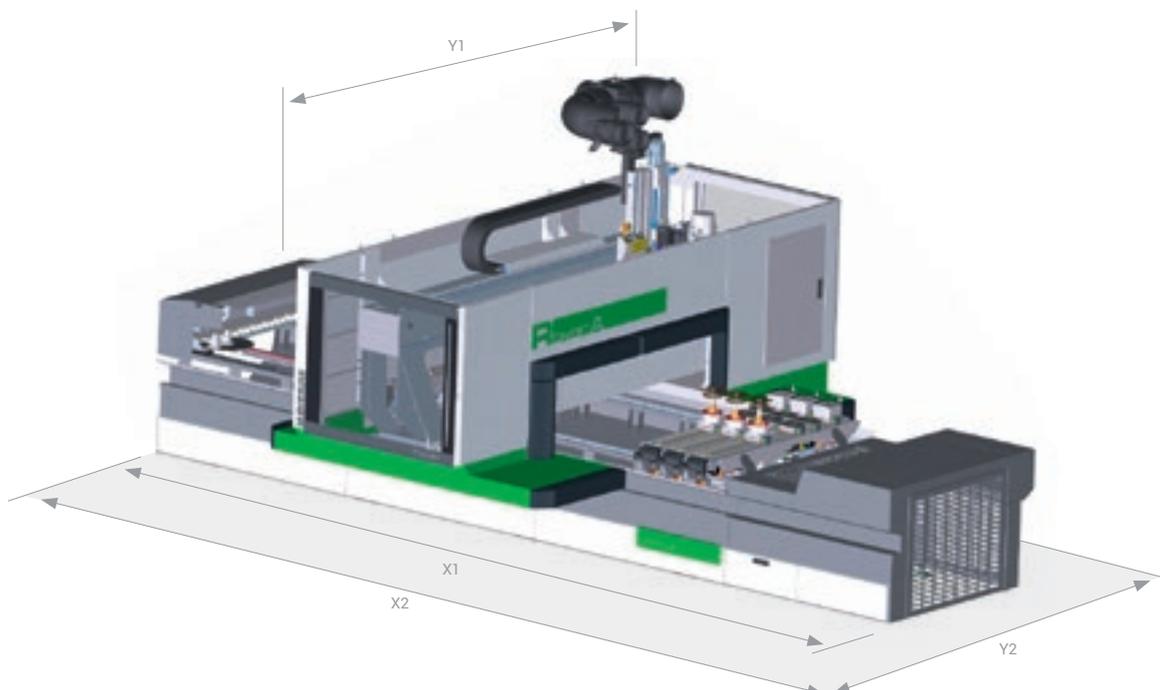
		X	Y	1 Z	2 Z
Rover A 1232	mm/inch	3140/124	1260/50	245/9.6	275/10.8
Rover A 1242	mm/inch	4140/163	1260/50	245/9.6	275/10.8
Rover A 1256	mm/inch	5540/218	1260/50	245/9.6	275/10.8
Rover A 1532	mm/inch	3140/124	1560/61	245/9.6	275/10.8
Rover A 1542	mm/inch	4140/163	1560/61	245/9.6	275/10.8
Rover A 1556	mm/inch	5540/218	1560/61	245/9.6	275/10.8
Rover A 1832	mm/inch	3140/124	1860/73	245/9.6	275/10.8
Rover A 1842	mm/inch	4140/163	1860/73	245/9.6	275/10.8
Rover A 1856	mm/inch	5540/218	1860/73	245/9.6	275/10.8

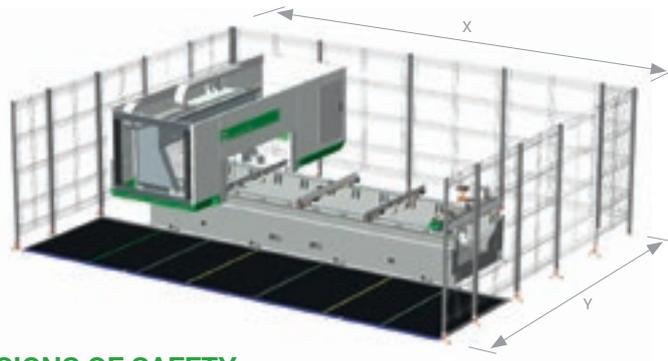
AXIS SPEED

		X	Y	Vector speed
Mats	m/foot/min	60/197	60/197	85/279
Bumper + photocells	m/foot/min	60/25 - 197/82	60/197	85/65 - 279/213
Full bumper	m/foot/min	25/82	60/197	65/213

FULL BUMPER FOOTPRINT

		Loadable panel	X1	X2	Y1	Y2
Rover A 1232	mm/inch	1350/53	6716/264	7116/280	3589/141	4589/181
Rover A 1242	mm/inch	1350/53	7716/304	8116/319	3589/141	4589/181
Rover A 1256	mm/inch	1350/53	9116/359	9516/375	3589/141	4589/181
Rover A 1532	mm/inch	1560/61	6716/264	7116/280	3889/153	4889/192
Rover A 1542	mm/inch	1560/61	7716/304	8116/319	3889/153	4889/192
Rover A 1556	mm/inch	1560/61	9116/359	9516/375	3889/153	4889/192
Rover A 1832	mm/inch	1880/74	6716/264	7116/280	4200/165	5200/205
Rover A 1842	mm/inch	1880/74	7716/304	8116/319	4200/165	5200/205
Rover A 1856	mm/inch	1880/74	9116/359	9516/375	4200/165	5200/205



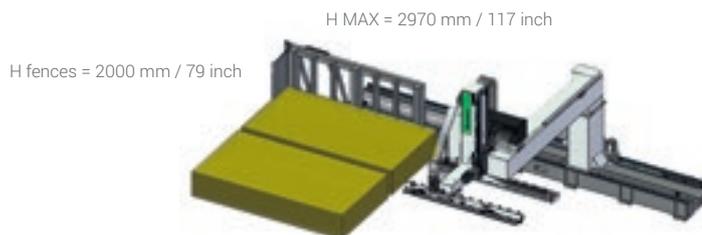


OVERALL DIMENSIONS OF SAFETY FENCES AND CONTACT MATS

		Loadable panel	X	Y
Rover A 1232	mm/inch	1350/53	6475/255	4927/194
Rover A 1242	mm/inch	1350/53	7508/295	4927/194
Rover A 1256	mm/inch	1350/53	8908/351	4927/194
Rover A 1532	mm/inch	1560/61	6475/255	5227/206
Rover A 1542	mm/inch	1560/61	7508/295	5227/206
Rover A 1556	mm/inch	1560/61	8908/351	5227/206

OVERALL DIMENSIONS PHOTOCELLS + BUMPER

		Loadable panel	X	Y
Rover A 1232	mm/inch	1350/53	7358/290	4927/194
Rover A 1242	mm/inch	1350/53	8358/329	4927/194
Rover A 1256	mm/inch	1350/53	9758/384	4927/194
Rover A 1532	mm/inch	1560/61	7358/290	5227/206
Rover A 1542	mm/inch	1560/61	8358/329	5227/206
Rover A 1556	mm/inch	1560/61	9758/384	5227/206
Rover A 1832	mm/inch	1880/74	7538/290	5536/218
Rover A 1842	mm/inch	1880/74	8538/329	5536/218
Rover A 1856	mm/inch	1880/74	9938/391	5536/218



WORKING FIELDS SYNCHRO

Length (min/max)	mm/inch	400/3200 *- 16/ 126
Width (min/max)	mm/inch	200/2200 *- 8/87
Thickness (min/max)	mm/inch	8/150 - 0,3/6
Weight (1 panel/ 2 panels)	kg/lb	150/75 - 331/165
Useful height of stack	mm/inch	1000 - 39
Height of stack from ground (including 145 mm Europallet)	mm/inch	1145 - 45

(*) the Min and Max values may vary in accordance with the configurations of Synchro and the Rover machining centre to which Synchro is linked.

The technical specifications and drawings are non-binding. Some photos may show machines equipped with optional features. Biesse Spa reserves the right to carry out modifications without prior notice..

The correct noise pressure level, measured from the operator's workstation, is: LP = 78 dB (A), during boring. LP = 78.5 dB (A), during milling. The noise power level is: LWA = 93.5 dB, during boring. LWA = 95.5 dB, during milling. Uncertainty factor K = 4 dB.

The measurement was carried out in compliance with UNI EN ISO 3746, UNI EN ISO 11202, UNI EN 848-3 and subsequent modifications. The noise levels shown are emission levels and do not necessarily correspond to safe operation levels. Even though there is a relation between emission levels and exposure levels, this cannot be used reliably to establish whether further precautions are necessary. The factors determining the noise levels to which the operative personnel are exposed include the length of exposure, the characteristics of the work area, as well as other sources of dust and noise, etc. (i.e. the number of machines and processes concurrently operating in the vicinity). In any case, the information supplied will help the user of the machine to better assess the danger and risks involved.

HIGH-TECH BECOMES ACCESSIBLE AND INTUITIVE



B_SOLID IS A 3D CAD CAM SOFTWARE PROGRAM THAT SUPPORTS THE PERFORMANCE OF ANY MACHINING OPERATION THANKS TO VERTICAL MODULES DESIGNED FOR SPECIFIC MANUFACTURING PROCESSES.

- Planning in just a few clicks.
- Simulating machining operations to visualise the piece ahead of manufacturing and have some guidance for the planning phase.
- Virtual prototyping of the piece to avoid collisions and ensure optimal machine equipment.
- Machining operation simulation with a calculation of the execution time.



THE DIGITALISATION OF PROCESSES

DESIGN, SIMULATION, PLANNING, PRODUCTION

The digital revolution has led to a momentous change based on the technological innovation that involves production systems, businesses, the market, and the relations between these areas and humans. Software and management processes come together in real time and, with the new technologies, a firm's competitiveness depends increasingly on production speed and flexibility.

The market wants software that can curb the complex task of programming and using machines, simplifying everyday work while guaranteeing the benefits offered by current technological advances.

In keeping with the factory 4.0 concept, Biesse has responded by building its software after meticulously observing customers' everyday activities, designing simple interfaces that make machines practical for daily use.



B_CABINET SUITE IS AN INTEGRATED COLLECTION OF SOFTWARE PROGRAMMES FOR MANAGING FURNITURE PRODUCTION FROM THE 3D DESIGN PHASE TO PROCESS PLANNING TO MONITORING THE FLOW OF PRODUCTION.



B_CABINET SUITE



B_C B_CABINET



B_C B_CABINET PLANNER



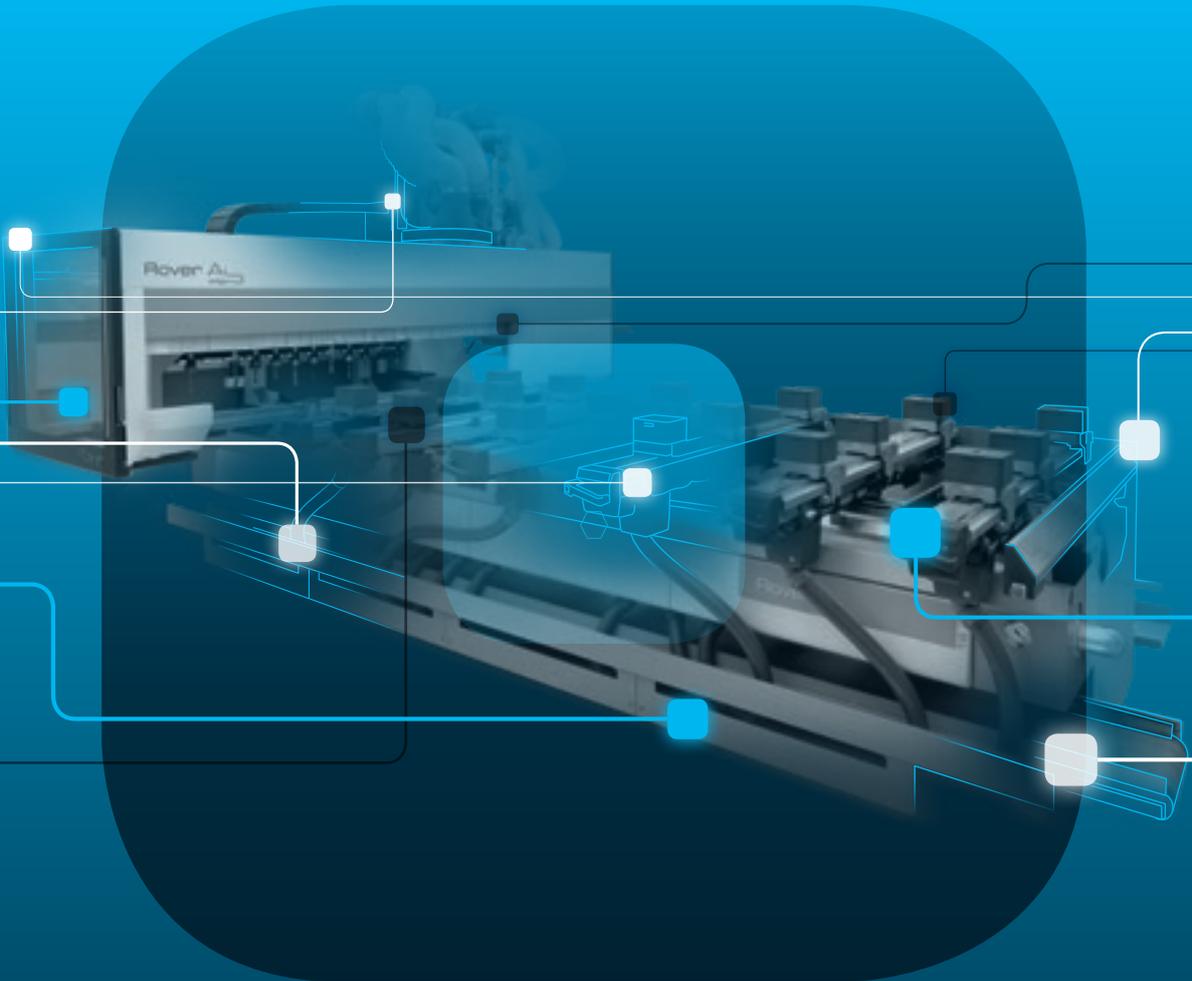
B_C B_CABINET FOUR

B_C B_CABINET UP

B_CABINET UP IS AN ANDROID APPLICATION, AVAILABLE FOR MOBILE DEVICES, DEDICATED TO THE SOFTWARE INCLUDED IN THE SUITE. IT ALLOWS FOR THE ELIMINATION OF FIXED HARDWARE ELEMENTS WHILE GUARANTEEING CONTINUOUS MOBILE VISIBILITY OF MACHINING OPERATIONS, ANY BREAKDOWNS AND OTHER DETAILED INFORMATION.

SOPHIA

GREATER VALUE FROM MACHINES



SOPHIA is the IoT platform created by Biesse in collaboration with Accenture which enables its customers to access a wide range of services to streamline and rationalise their work management processes.

It allows alerts and indicators to be sent to the customer in real time, in relation to production, the machines used and the type of process carried out. These are detailed instructions for more efficient use of the machine.

□ **10% CUT IN COSTS**

□ **50% REDUCTION
IN MACHINE DOWNTIME**

□ **10% INCREASE
IN PRODUCTIVITY**

□ **80% REDUCTION IN PROBLEM
DIAGNOSTICS TIME**

**SOPHIA TAKES THE INTERACTION BETWEEN
CUSTOMER AND SERVICE TO A HIGHER LEVEL.**

iOT
SOPHIA

IoT - SOPHIA provides a comprehensive overview of the specific machine performance features, with remote diagnostics, machine stoppage analysis and fault prevention. The service includes a continuous connection with the control centre, the option of calling for assistance from within the customer app (such calls are managed as priorities), and an inspection visit for diagnostic and performance testing within the warranty period. Through SOPHIA, the customer receives priority technical assistance.

PARTS
SOPHIA

PARTS SOPHIA is the easy new, user-friendly and personalised tool for ordering Biesse spare parts. The portal offers customers, dealers and branches the chance to navigate within a personalised account, consult the constantly updated documentation of the machines purchased, and create a spare parts purchase basket indicating the real time availability in the warehouse and the relative price list. In addition, the progress of the order can be monitored at all times.

 **BIESSE**

in collaboration with  **accenture**

CUSTOMER CARE IS WHO WE ARE

SERVICES is a new experience for our customers, to offer not just excellent technology but the added value of an increasingly direct connection with the company, the professionals who work there and the experience they embody.



ADVANCED DIAGNOSTICS

Digital channels for remote interaction online 24/7. Always ready to intervene on-site seven days a week.



A WORLDWIDE NETWORK

39 branch offices, over 300 certified agents, retailers in 120 countries, and spare parts warehouses in America, Europe and the Far East.



SPARE PARTS AVAILABLE IMMEDIATELY

Identification, shipping and delivery of spare parts for every need.



EVOLVED TRAINING OPPORTUNITIES

Lots of on-site, online and classroom training modules for personalised growth.



VALUABLE SERVICES

A wide range of services and software packages to help our customers achieve continuous improvements in performance.

AN EXCELLENT LEVEL OF SERVICE

+550

HIGHLY SPECIALISED
TECHNICIANS AROUND
THE WORLD, READY TO HELP
CUSTOMERS WITH EVERY
NEED

90%

OF MACHINE DOWN CASES
WITH RESPONSE TIME
UNDER 1 HOUR

+100

EXPERTS IN DIRECT
CONTACT THROUGH
REMOTE CONNECTIONS
AND TELESERVICE

92%

OF SPARE PARTS ORDERS
FOR MACHINE DOWNTIME
PROCESSED WITHIN 24
HOURS

+50.000

ITEMS IN STOCK IN THE
SPARE PARTS WAREHOUSES

+5.000

PREVENTIVE MAINTENANCE
VISITS

80%

OF SUPPORT REQUESTS
SOLVED ONLINE

96%

OF SPARE PARTS ORDERS
DELIVERED IN FULL ON TIME

88%

OF CASES SOLVED WITH
THE FIRST ON-SITE VISIT

MADE WITH BIESSE

FOR A REVOLUTIONARY BUT CONSCIOUS DESIGN

Conscious design that understands society and skilfully changes it for the better. That's the mission at the heart of Lago, a furniture company founded in 1976 with two simple concepts encoded in its DNA: curiosity and doing things well.

The common ground for the Biesse Group and Lago, which reinforces the historic partnership between the furniture and carpentry sectors, is the Alliance project: a collection of brands, people and businesses that have decided to join the design company from Veneto on a journey of respect for our planet, ourselves and our future. The historic partnership is borne out by the innovative production plant that Biesse developed with Lago, completely restructuring the manufacturing site. The result is the inclusion of a new Batch One facility within the existing production context, in the spirit of personalisation, speed and flexibility.

The facility has a new square-edging cell with Stream MDS and Winner W1, a new drilling cell with Skipper 130 and a new Selco WNR 650 sizing centre connected to Win-

store 3D K1, which intelligently manages all the material to be processed.

"Including the 'batch one' process bolsters the 'just in time' objective set by Lago, reducing the warehouses needed for semi-finished products and raw materials, as well as reducing scrap material and elevating product quality. What's more, it improves efficiency, reduces time to delivery and offers complete control over the production flow," explains Mauro Pede, Biesse Systems Sales Director.

"The new investments have led us to a new productive flexibility that we will continue to implement, for a renewed production speed and even greater customisation of the range," adds Daniele.

Carlo Bertacco echoes the sentiment, "We are completing a 2,500 m2 expansion, to be even faster and more flexible while maintaining the extremely high level of quality that Lago is known for. It's an equation that relies heavily on technology: I'm referring to one of the particularly valuable machines we purchased from Biesse – a small 'Brema Eko' – not only is it extremely flexible, it allows us

to greatly simplify some steps, since we can process painted pieces without worrying about damaging them.

It's proof that with clear ideas and a precisely organised work flow one can find simple solutions that produce excellent results."

**LAGO BELIEVES
THAT DESIGN MUST
BE GUIDED BY MAN,
BY HUMANITY AND
EMPATHY**



Daniele Lago
Founder



LIVE THE EXPERIENCE



Interconnected technologies and advanced services that maximise efficiency and productivity, generating new skills to serve better our customer.

**LIVE THE BIESSE GROUP
EXPERIENCE AT OUR CAMPUSES
ACROSS THE WORLD**

