RO VER PLAST A FT

CNC MACHINING CENTRE

BIESSE

TECHNOLOGIES FOR MACHINING TECHNOPOLYMER, COMPOUND MATERIALS, RUBBER AND FOAM

THE MARKET EXPECTS

a change in manufacturing processes, enabling 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 reliable delivery times**.

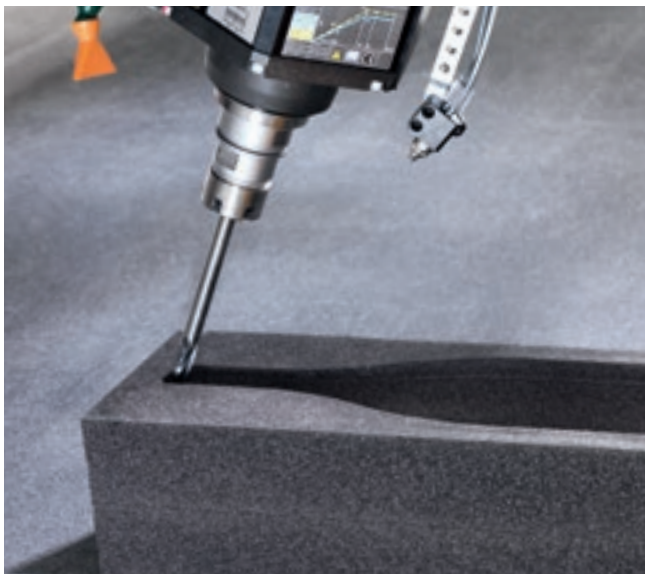
BIESSE RESPONDS

with high-tech, innovative solutions for processing technological materials.
Rover Plast A FT is the 5-axis machining centre for processing the technological materials typically used for the production of technical articles and in the motor, construction and wind energy sectors.

ROVER PLAST A FT

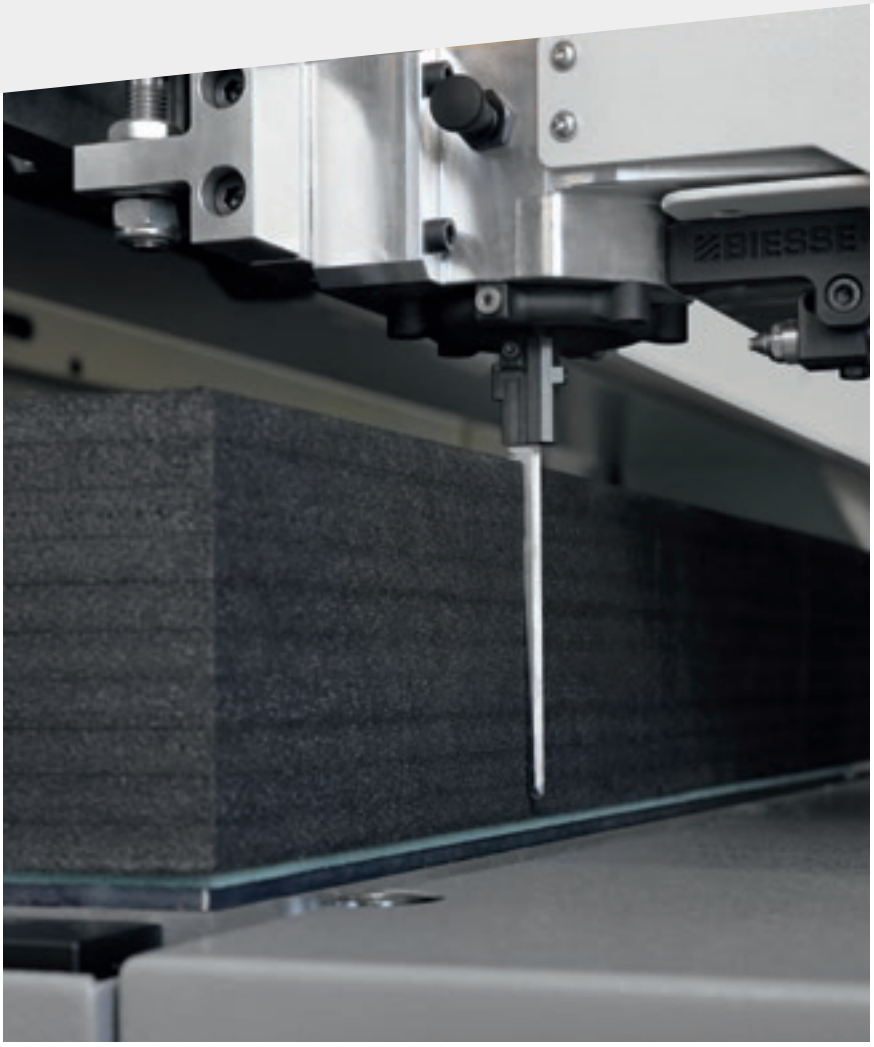
- A HUGE SELECTION OF APPLICATIONS AND MACHINABLE MATERIALS
- HIGH PRECISION AND RELIABILITY OVER TIME
- SUITABLE FOR EVERY TYPE OF MACHINING OPERATION: MILLING, CUTTING, ETC.
- CONFIGURABLE ON THE BASIS OF PRODUCTION NEEDS

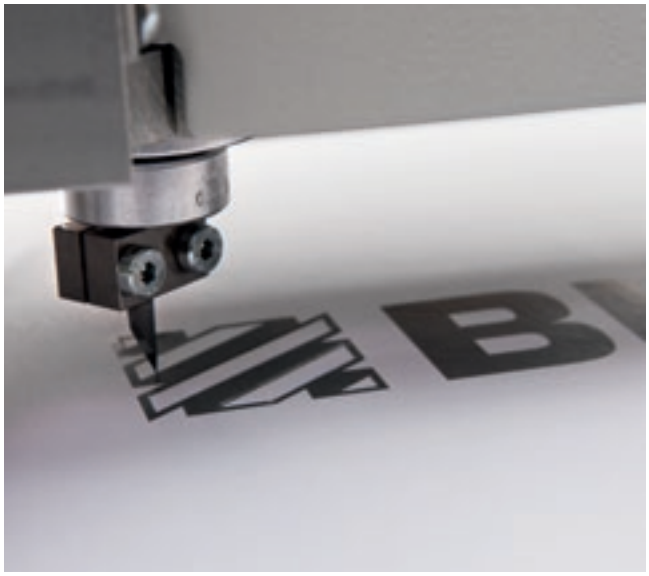
A SINGLE PROCESSING CENTRE FOR MANY TYPES OF MACHINING OPERATIONS



The 5-axis unit with direct drive motor offers maximum flexibility in inclined and interpolated machining operations, with no need to fear excessive stress.

BIESSE PROVIDES TECHNOLOGICAL SOLUTIONS FOR PROCESSING THE MOST COMMON MATERIALS REQUESTED BY THE MARKET: PE, PP, PVC AND PMMA, BUT ALSO COMPOUNDS, TECHNOPOLYMERS, RUBBER, EXTRUSIONS AND FOAMS.

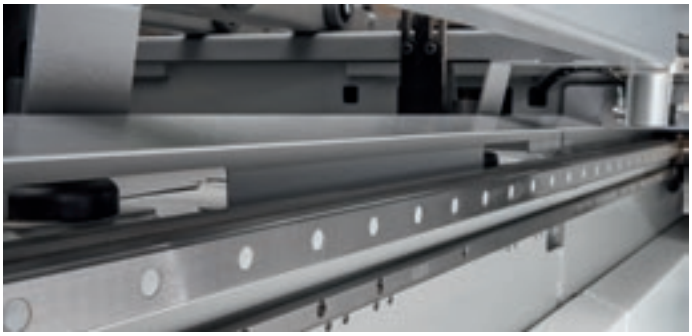




RELIABLE TECHNOLOGY

The Rover Plast A FT is the ideal solution for machining materials of different formats, size, thickness and density. The extremely rigid and well-balanced structure is designed to withstand notable machining strain and ensure high levels of precision.

The Gantry structure with dual X motors is designed to increase precision and reliability standards for the execution of machining operations.

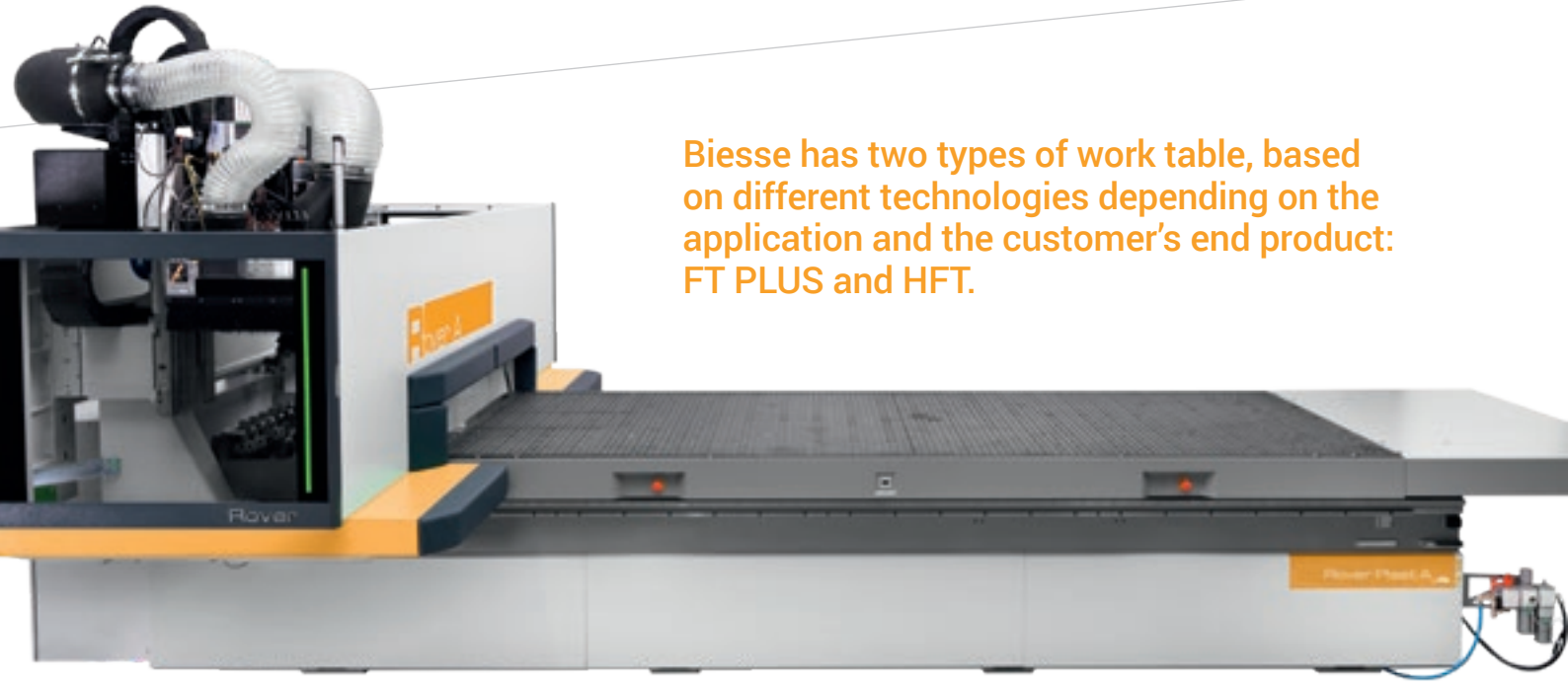


The reinforced and protected transmission guides lend the machine greater rigidity, boosting the level of precision and machining quality and guaranteeing a longer working life.

Higher motor power increases acceleration up to 4 m/s2 and speed up to 105 m/min, minimising waiting times and reducing cycle times.

WORK TABLES, UNIQUE ON THE MARKET

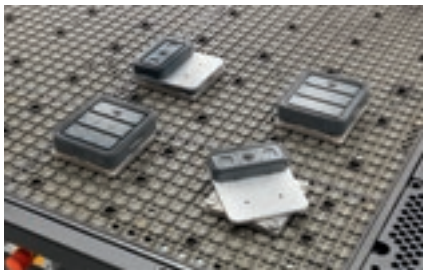
All Biesse FT tables use multi-zone technology, with areas where the vacuum is activated independently by the NC, allowing even the smallest pieces to be locked and minimising vacuum loss.



Biesse has two types of work table, based on different technologies depending on the application and the customer's end product: FT PLUS and HFT.

FT PLUS
Allows Uniclamps to be used to clamp complex, small materials in place.
The extensiveness and increase in payload provide maximum flexibility across machining operations.

HFT (HIGH FLOW TABLE)
Inspired by the experience of our customers. The high vacuum flow rate renders the work table ideal for machining operations on sheets with automatic loading and unloading.



FT modules with aluminium adapter
The FT PLUS table facilitates the positioning of the modules, ensuring maximum stability.

The vacuum modules can be directly positioned on the support panel
The modules can be quickly and easily used, even without the auxiliary vacuum system, without compromising the hold on the material.

TOP-OF-THE-RANGE COMPONENTS

Maximum results thanks to the option of equipping the machine with 5-axis technology.

Air Jet system
cools the material and the tool during machining, using air that's up to 60° colder than the ambient temperature to improve the finish of the piece and lengthen the lifespan of the tool.

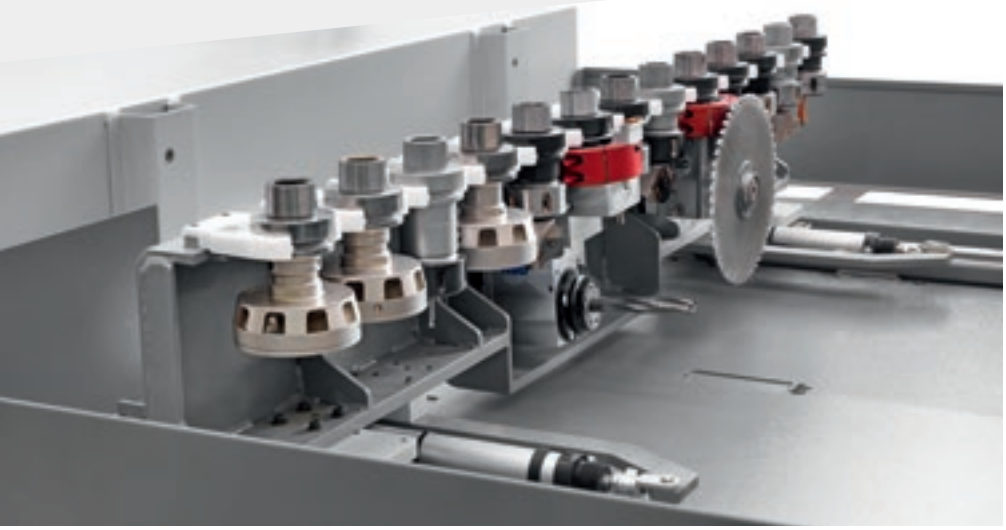
Ioniser for neutralising electrostatic charges
eliminates the electrostatic charges that build up on the material being processed, aiding chip evacuation and improving the machining quality whilst helping to keep the machine and the working area clean.

C AXIS TORQUE: MORE PRECISE, QUICKER, GREATER RIGIDITY

Electrospindles for every application: up to 19.2 kW or 36000 rpm.

The Rover Plast A FT can be fitted with the same components used on other top-of-the-range models. The electrospindle and aggregates are designed and manufactured for Biesse by HSD, the global leader in this sector.

TOOL MAGAZINES THAT CAN BE PERSONALISED TO MEET PRODUCTION NEEDS



The rack magazine with 13/16 positions provides a simple and functional solution whilst keeping the overall dimensions of the machine as compact as possible.

8-position revolver integrated into the machine beam.

Revolver magazine with 8 overhead positions and 16 on the X carriage, enabling cycle times to be reduced to a minimum.

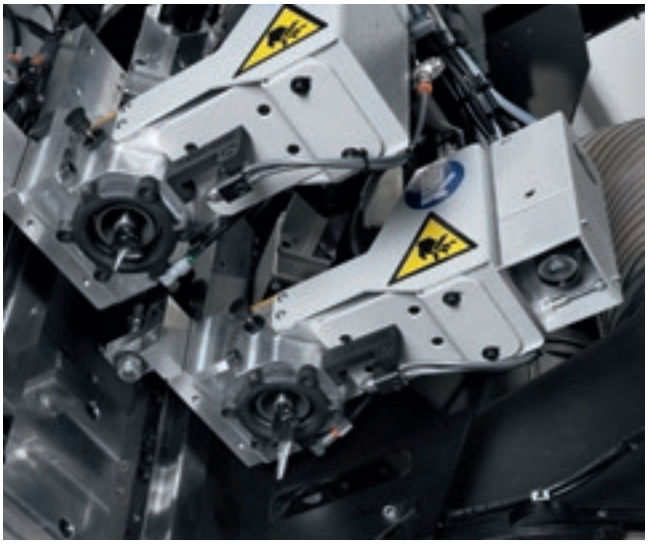
Tool change magazines with a total of up to 32 spaces. All tools and aggregates available at all times, with no need for operator intervention for tooling when switching from one machining operation to the next.

PROCESSING FLEXIBILITY

The machine can be equipped with cutting units with different types of blade and geometry, to meet every type of requirement.

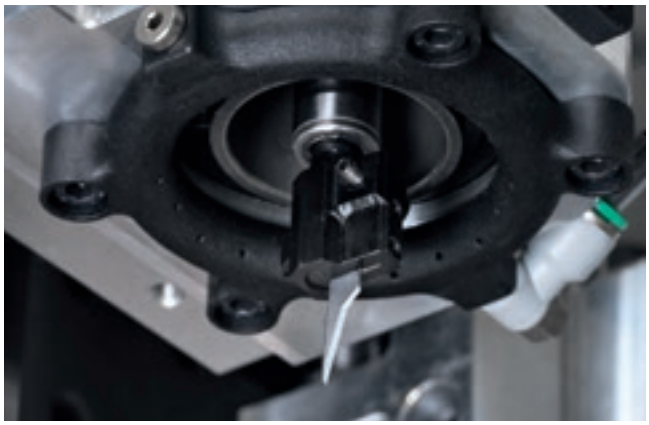
The machine can be fitted with **two cutting units**, guaranteeing optimum machining efficiency and the maximum diversification of the possible applications. The titanium components in the cutting unit guarantee long term life, reliability and quality.

The cutting unit can also house the **video camera for the optical recognition of the print markers**, which is a particularly useful feature in the graphic sector. The video camera can guide both the cutting units and the electrospindle.



Tool lubrication system for cutters
enables the blade to slide more smoothly in particularly dense or elastic materials, thanks to an air-oil nebulisation system that guarantees tool lubrication during the cutting operation.

Extremely quick and simple blade changes
The operator can make a blade change in just a few steps, limiting the machine downtime.

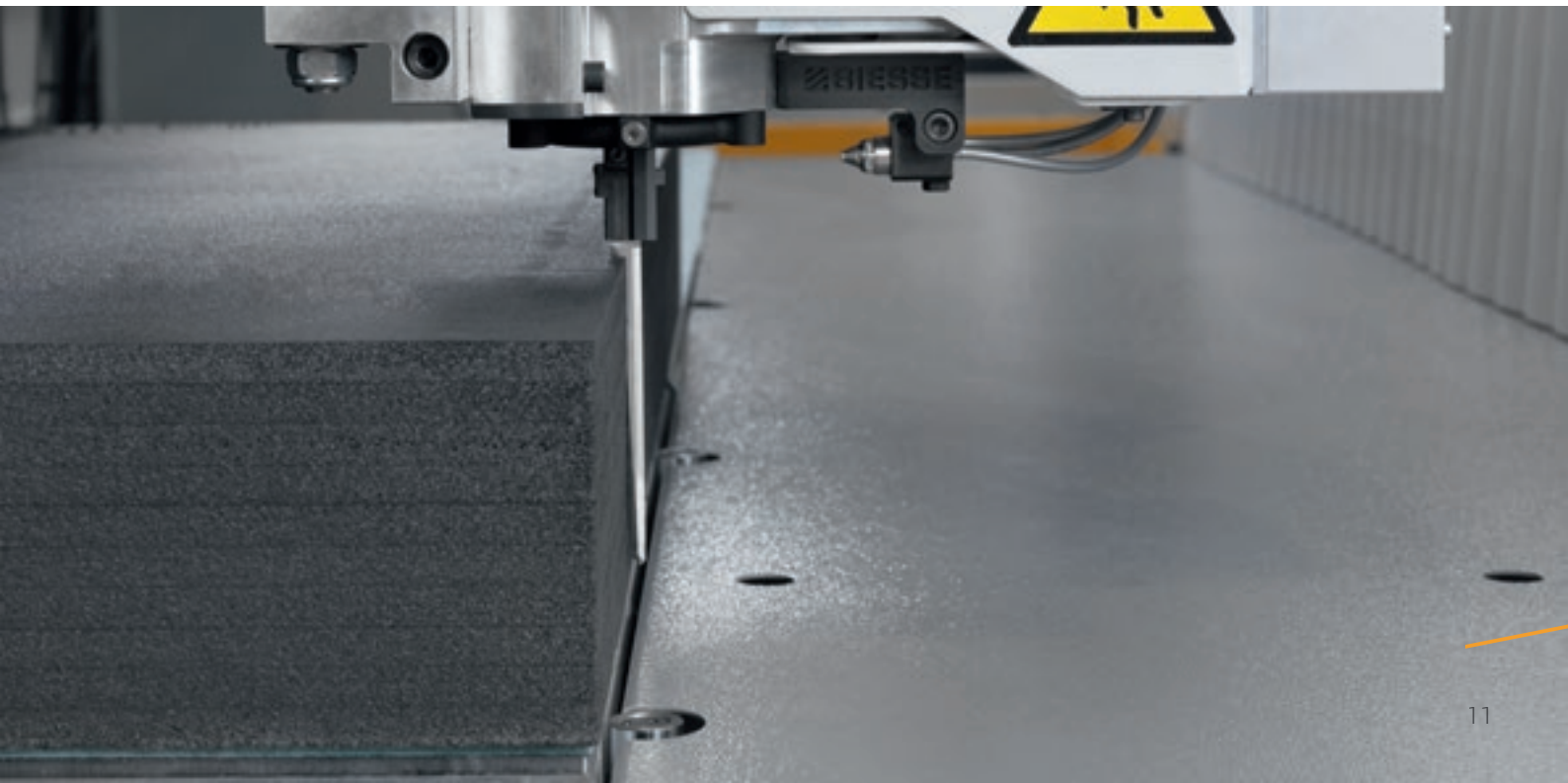


Blower device for cutting units
reduces blade overheating and hence the risk of damage to certain types of material, at the same time keeping the cutting area clean and free of dust and other machining waste.

COMPLETE DEVICE KIT FOR CUTTING UNITS WITH PLUG & PLAY REPLACEMENT

The cutting unit can be equipped with long-range or high-frequency oscillating cutters, dragging cutters and cutters with circular blades, creasing machines and other interchangeable “plug & play” devices: it’s possible to switch from a cut made with an oscillating blade to one made with a roller, or to a creasing, in a few simple steps.

POSSIBILITY TO MACHINE VERY THICK MATERIAL, OVER 100 MM

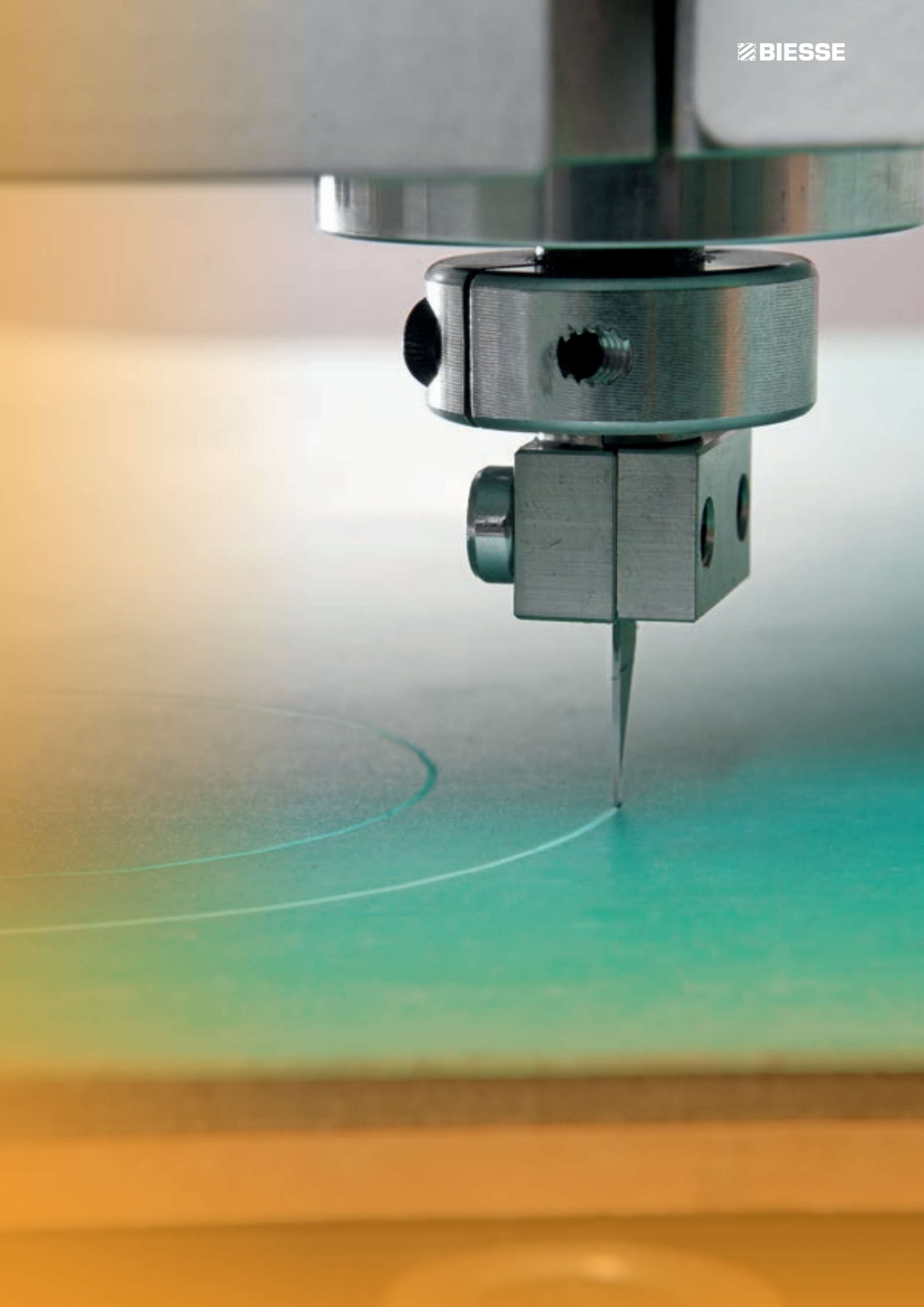


TECH NOLO GY

PERFORMANCE WITHOUT LIMITS

The high technological content of the world's most popular machining centres meets the requirements of operators who process technological materials.

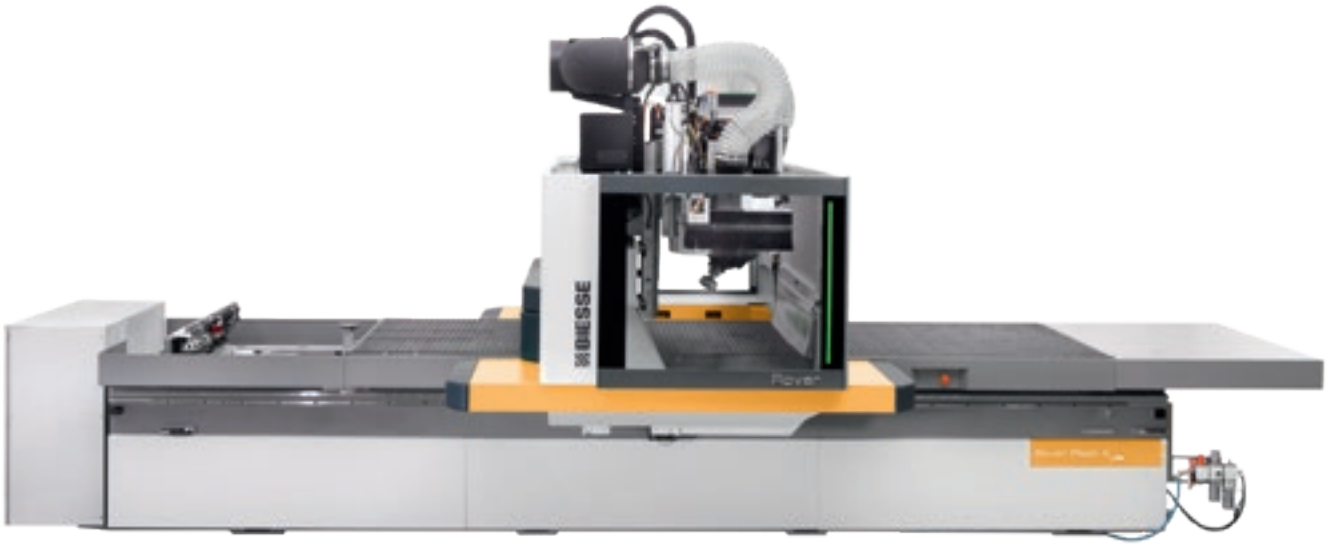
The only solution for performing milling and cutting operations on technological materials.
The tangential/oscillating blade, combined with the video camera for the optic recognition of the print markers, makes the machine more versatile so it can adapt to every market requirement. The precision and quality of Rover's technology support the perfect execution of all machining operations typical of a processing centre.



A MULTITUDE OF POSSIBLE CONFIGURATIONS

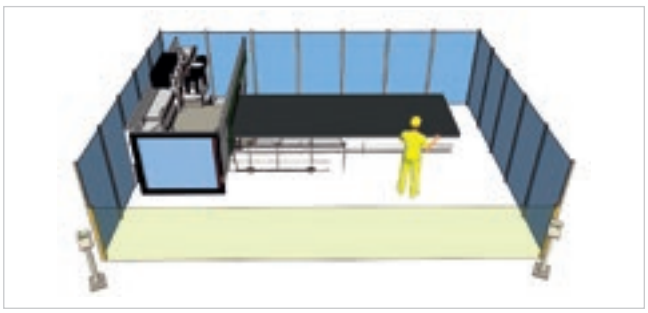
FULL BUMPER CONFIGURATION: COMPACT AND ERGONOMIC

The full bumper version of Rover Plast A FT is one of the most compact solutions on the market.



The full bumper solution is designed to adapt perfectly to the space dedicated to production. It allows the operator to access all sides of the machine at all times, in total safety with no obstacles on the ground.

PENDULAR CONFIGURATION: PRODUCTIVE AND SAFE



The machine can be configured with tandem loading in order to alternately process sheets. This allows for loading or unloading to be carried out during machining operations.

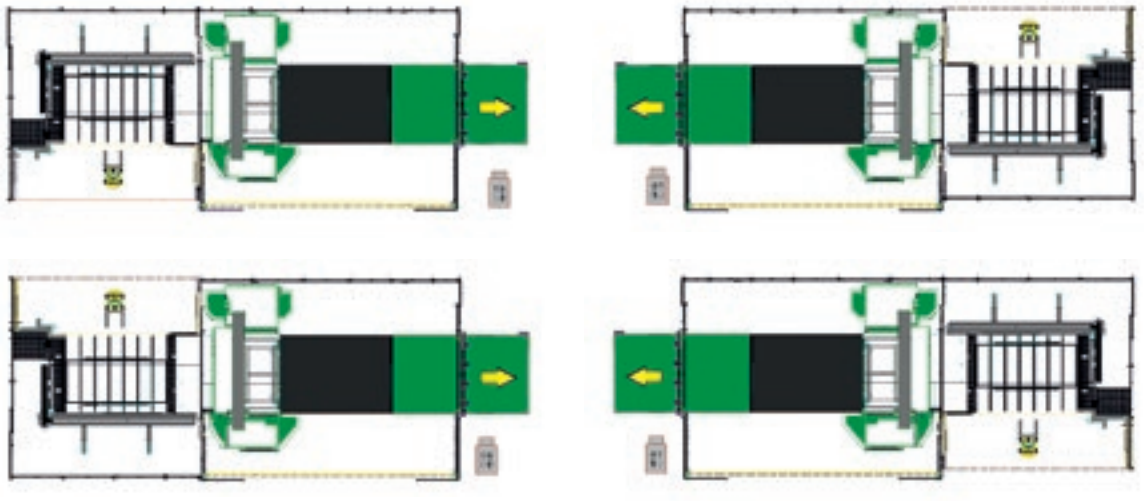
CONFIGURATION WITH AUTOMATIC LOADING AND UNLOADING SYSTEM: MAXIMUM EFFICIENCY

Rear access door
to reduce tooling times.

CAN BE FULLY INTEGRATED INTO A WORKING CELL

Rover Plast A FT can be adapted according to work flow and in line with customer requirements.

Loading/unloading operations are carried out simultaneously, allowing the operator to remove completed components from the unloading station in the utmost safety whist the machine is already processing the next material.



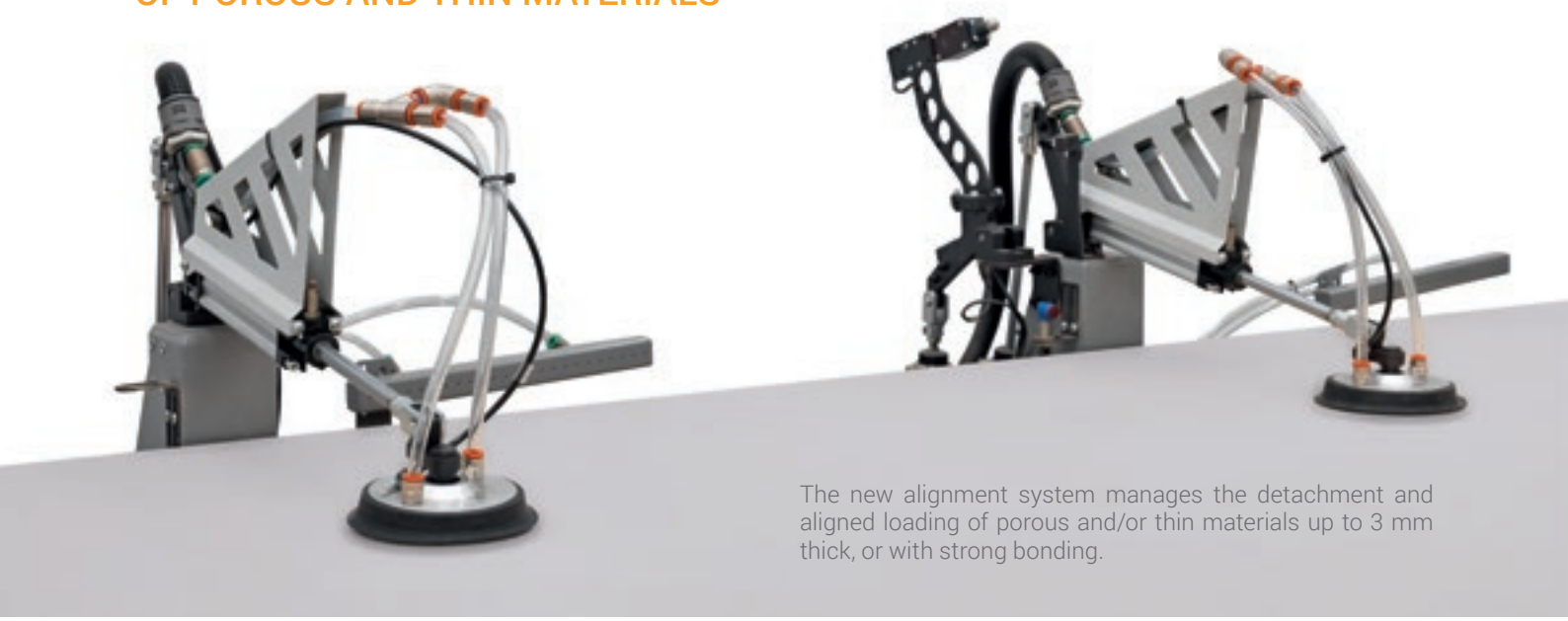
The technology of the independent suction cups for loading with detachment systems delivers a load flexibility that is unrivalled on the market.

INVERTED FLOW LOADING SYSTEM

The suction cup loading system is fitted in accordance with the customer's flow requirements, to optimise internal logistics.

LOADING AND UNLOADING SOLUTIONS

SOLUTIONS DEDICATED TO THE MANAGEMENT OF POROUS AND THIN MATERIALS



The new alignment system manages the detachment and aligned loading of porous and/or thin materials up to 3 mm thick, or with strong bonding.

Sheet loading systems with scissor lifter and automatic sheet alignment
The system's ease of use ensures long term reliability. The loading pallet positioned close to the machine ensures the overall dimensions on the ground remain compact.

Sheet identification and traceability within the production flow thanks to **on-demand labelling system with touch screen**.

ADVANCED LOADING SOLUTIONS, UNPARALLELED RELIABILITY

The rollers for the alignment of individual sheets or packs of sheets represent an unprecedented solution in terms of reliability and precision over time.

The numerically-controlled push system for packs of sheets introduces a totally innovative approach to loading flexibility.

The patented loading system, using collets, allows the loading of books of panels (or highly porous panels) that it would otherwise be impossible to move with the suction cups.

The **roller presser** allows up to 3 overlapping sheets of porous material to be machined. Thanks to the automatic unloading function, there are no limits in the use of the working units.

LEAN, EFFICIENT PRODUCTION FLOWS

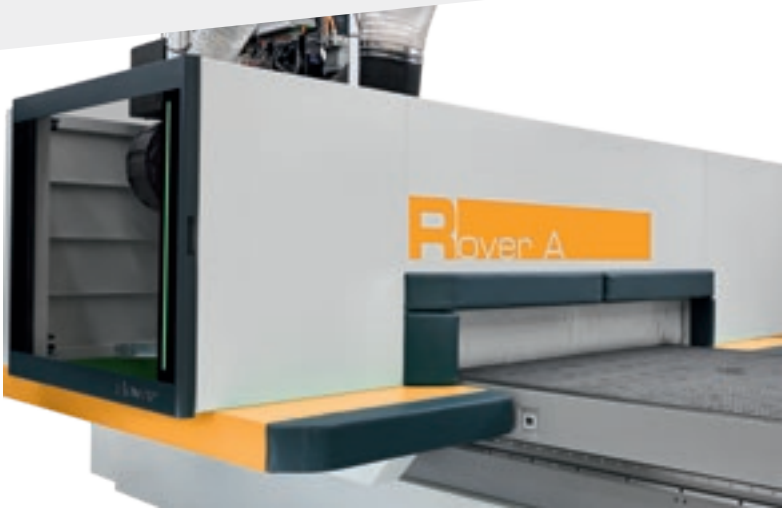
Winstore is an automated magazine for the optimised management of sheets for companies who wish to increase their productivity, guaranteeing production with reduced times and costs.

- **Rapid return on investment thanks to increased performance and reduced costs**
- **Production flow optimisation**
- **Integration in the production line**

The **Winstore** ensures that the materials to be machined are easily accessible at all times, so it is possible to substantially increase cell productivity compared to manual loading methods using a forklift truck, without frequent stack changes.

- **Reduced delivery times**
- **Reduced warehouse space required**
- **Reduced labour**
- **Waste reduction**
- **Less risk of damaging materials**

PROTECTION AND SAFETY FOR ALL MACHINING OPERATIONS

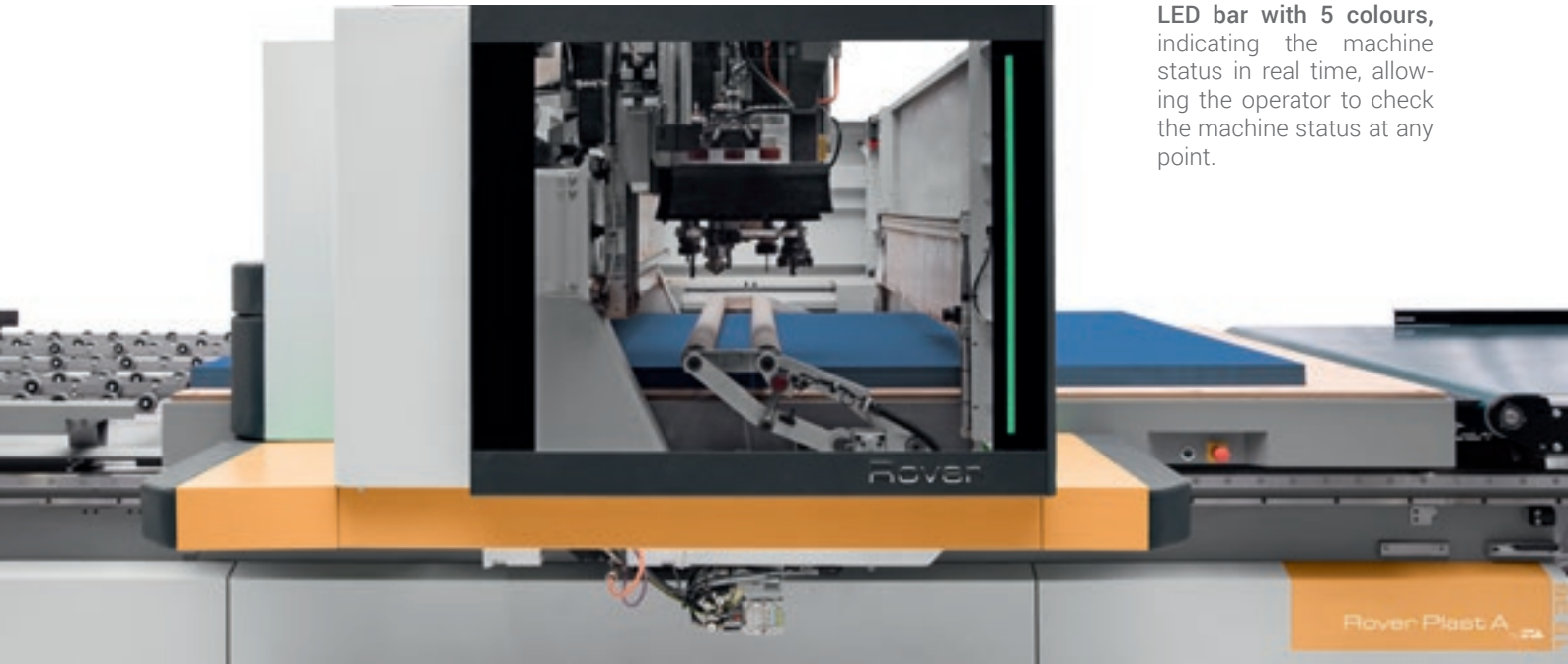


Thanks to the bumper solutions combined with photocells, the operator can work in fully safe conditions and without any working area on the ground.

The large hatch, which can be opened, facilitates access for tooling operations and for cleaning the front of the machine.

MAXIMUM VISIBILITY OF THE WORKING UNIT FROM ANY POSITION

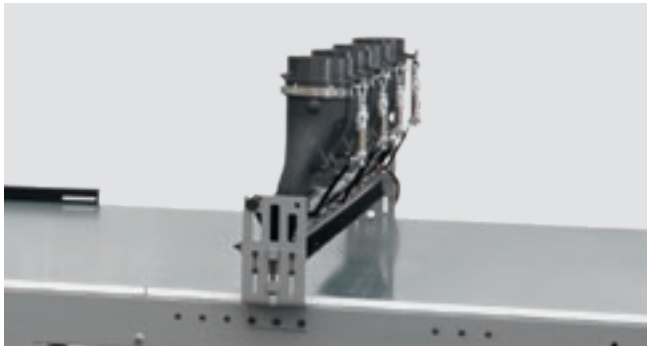
LED bar with 5 colours, indicating the machine status in real time, allowing the operator to check the machine status at any point.



EFFECTIVE DUST REMOVAL SYSTEMS

The machining of technological materials requires the complete and constant cleaning of the material being processed, to ensure high quality standards. Biesse can provide various dust and chip removal systems.

New suction hoods that can be adjusted in 12 positions (3 axes) or 19 positions (5 axes) for machining plastic materials, designed with a geometry that enables excellent chip removal and eliminates the risk of damaging the material being processed. The hood is electronically controlled by means of an axis, keeping it positioned just a few millimetres away from the sheet during the machining operations.

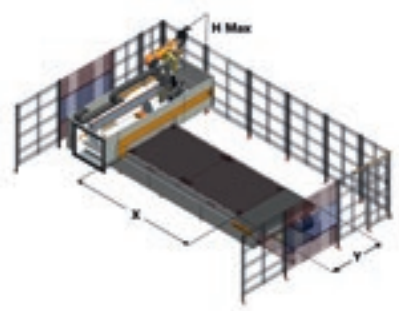


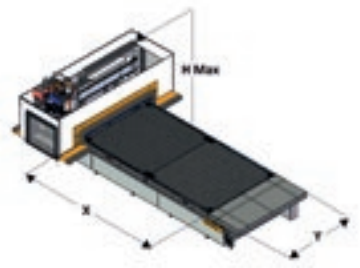
System with 2 to 4 suction hoods positioned above the unloading belt.

Chip removal system positioned between the machine and the unloading belt, guaranteeing optimal sheet cleanliness.

Intake manifold positioned at the end of the belt.

TECHNICAL SPECIFICATIONS





WORKING FIELDS AND HEIGHT Z

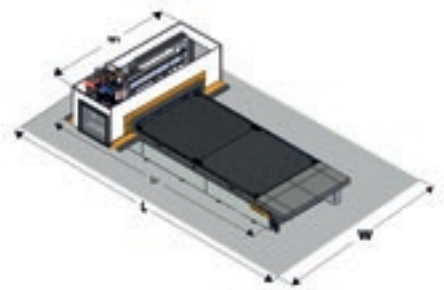
		X	Y	Pendular 4/5 axes NO suspension	Z	H max
Rover Plast A FT 1224	mm / inch	2465 / 97	1260 / 50	809/751 - 32/30	170(*)/200/250 - 6,7*/8/10	2750 / 108
Rover Plast A FT 1531	mm / inch	3100 / 122	1560 / 61	1126/1069 - 44/42	170(*)/200/250 - 6,7*/8/10	2750 / 108
Rover Plast A FT 1536	mm / inch	3765 / 148	1560 / 61	1459/1401 - 57/55	170(*)/200/250 - 6,7*/8/10	2750 / 108
Rover Plast A FT 1564	mm / inch	6450 / 254	1560 / 61	2801/2743 - 110 /108	170(*)/200/250 - 6,7*/8/10	2750 / 108
Rover Plast A FT 1836	mm / inch	3765 / 148	1875 / 74	1459/1401 - 57/55	170(*)/200/250 - 6,7*/8/10	2750 / 108
Rover Plast A FT 2231	mm / inch	3100 / 122	2205 / 87	1126/1069 - 44/42	170(*)/200/250 - 6,7*/8/10	2750 / 108
Rover Plast A FT 2243	mm / inch	4300 / 169	2205 / 87	1726/1669 - 68/66	170(*)/200/250 - 6,7*/8/10	2750 / 108

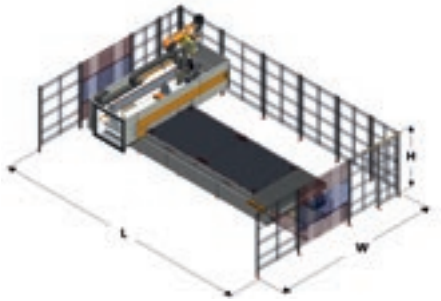
SPEED

		X	Y	Z	Vector
Full bumper	m/min ft/min	25 82	60 197	20 66	65 213
High speed	m/min ft/min	85 279	60 197	20 66	105 213

OVERALL stand alone DIMENSIONS

Full Bumper		L	L1	W	W1
		CE/NCE			
Rover Plast A FT 1224	mm inch	6380 (6640)* 251 (261)*	5379 (5644)* 212 (222)*	4136 163	3136 123
Rover Plast A FT 1531	mm inch	7020 (7300)* 276 (287)*	6019 (6304)* 237 (248)*	4436 175	3436 135
Rover Plast A FT 1536	mm inch	7680 (7960)* 302 (313)*	6680 (6964)* 263 (274)*	4436 175	3436 135
Rover Plast A FT 1836	mm inch	7680 (7960)* 302 (313)*	6680 (6964)* 263 (274)*	4752 187	3752 148
Rover Plast A FT 2231	mm inch	7020 (7300)* 276 (287)*	6015 (6305)* 237 (248)*	5082 200	4082 161
Rover Plast A FT 2243	mm inch	8210 (8500)* 323 (334)*	7215 (7505)* 284 (295)*	5082 200	4082 161
High Speed		L		W	
		CE	NCE(**)	CE	NCE(**)
Rover Plast A FT 1224	mm inch	6525 257	6475 254	4734 186	4752 187
Rover Plast A FT 1531	mm inch	7155 282	7075 278	5064 199	5052 198
Rover Plast A FT 1536	mm inch	7828 308	7772 305	5064 199	5052 198
Rover Plast A FT 1564	mm inch	10494 413	10420 410	5082 200	5052 198
Rover Plast A FT 1836	mm inch	7828 308	7775 306	5334 210	5247 206
Rover Plast A FT 2231	mm inch	7155 282	7075 278	5724 225	5547 218
Rover Plast A FT 2243	mm inch	8338 328	8320 327	5724 225	5547 218

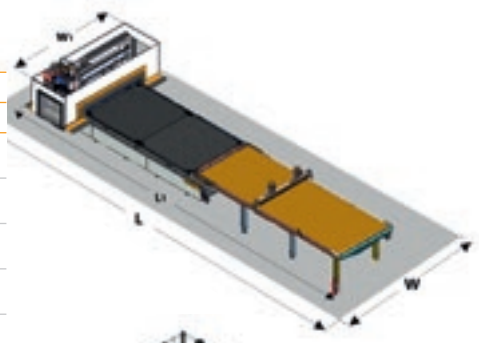


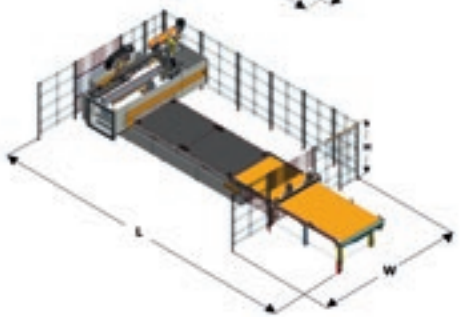


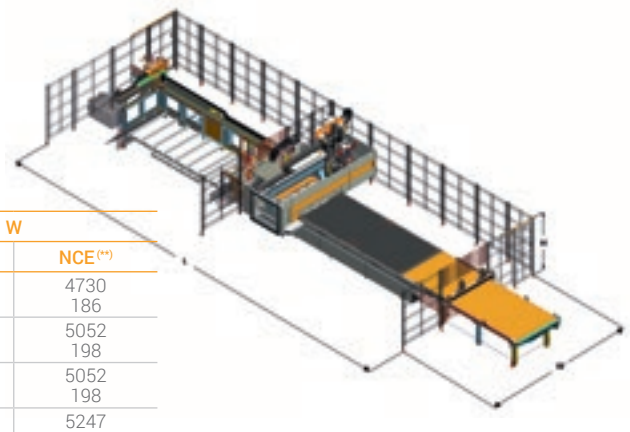
(*) With Sweeping Arm
(**) In the NCE version, the height of the protective elements is 1.1 metres.

Full Bumper		L	L1	W	W1
		CE/NCE			
Rover Plast A FT 1224	mm inch	8680 342	7680 302	4136 163	3136 123
Rover Plast A FT 1531	mm inch	9870 389	8965 353	4436 175	3436 135
Rover Plast A FT 1536	mm inch	11210 441	10306 406	4436 175	3436 135
Rover Plast A FT 1836	mm inch	11210 441	10307 406	4752 187	3752 148
Rover Plast A FT 2231	mm inch	9870 389	8965 353	5082 200	4082 161
Rover Plast A FT 2243	mm inch	12270 483	11367 448	5082 200	4082 161

High Speed		L		W	
		CE	NCE(**)	CE	NCE(**)
Rover Plast A FT 1224	mm inch	8155 321	8135 320	4734 186	4752 187
Rover Plast A FT 1531	mm inch	9339*** 368***	9280*** 365***	5064 199	5052 198
Rover Plast A FT 1536	mm inch	10674*** 420***	10644*** 419***	5064 199	5052 198
Rover Plast A FT 1836	mm inch	10674 420	10644 419	5334 210	5247 206
Rover Plast A FT 2231	mm inch	9328*** 368***	9284*** 365***	5724 225	5547 218
Rover Plast A FT 2243	mm inch	11730*** 461***	11700*** 460***	5724 225	5547 218







OVERALL DIMENSIONS of Nesting Cell

Nesting Cell - Type A		L		W	
		CE	NCE	CE	NCE(**)
Rover Plast A FT 1224	mm inch	10010 394	10065 396	4730 186	4730 186
Rover Plast A FT 1531	mm inch	11820*** 465***	11770*** 463***	5064 199	5052 198
Rover Plast A FT 1536	mm inch	13773*** 542***	13769*** 542***	5064 199	5052 198
Rover Plast A FT 1836	mm inch	13714 539	13780 542	5334 210	5247 206
Rover Plast A FT 2231	mm inch	11814*** 465***	11787*** 464***	5724 225	5547 218
Rover Plast A FT 2243	mm inch	15400*** 606***	15451*** 608***	5720 225	5547 218

Nesting Cell - Type B		L		W	
		CE	NCE(**)	CE	NCE(**)
Rover Plast A FT 1224	mm inch	12887 507	13255 521	4813 189	4807 189
Rover Plast A FT 1531	mm inch	14700*** 579***	15080*** 593***	5102 200	5216 205
Rover Plast A FT 1536	mm inch	16619*** 654***	16959*** 667***	5102 200	5107 201
Rover Plast A FT 1836	mm inch	16620 654	16960 667	5372 211	5307 208
Rover Plast A FT 2231	mm inch	14690*** 578***	15054*** 592***	5804 228	5802 228
Rover Plast A FT 2243	mm inch	18304*** 721***	18666*** 734***	5804 228	5802 228

(**) In the NCE version, the height of the protective elements is 1.1 metres
(***) The overall dimensions are increased by 460 mm in the presence of the dust collector grid on the ouput conveyor belt for overlapping panels

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.

Weighted sound pressure level A in: Operator workstation LpfA 76 dB (A). Loading unloading position LpfA 72 dB (A). Uncertainty factor K = 4 dB (A). Operating conditions: milling operations at a speed of 20 m/min, 20000 rpm.

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.

REDUCED TIME AND WASTE

B_N

B_NEST IS THE B_SUITE PLUGIN SPECIFICALLY FOR NESTING OPERATIONS. IT ALLOWS YOU TO ORGANISE YOUR NESTING PROJECTS IN A SIMPLE WAY, REDUCING THE MATERIAL WASTE AND MACHINING TIMES.

- Flexibility with reduced production times and costs.
- Optimisation for every type of product.
- Management of articles, sheets and labels.
- Integration with company software.

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

+100 EXPERTS IN DIRECT CONTACT THROUGH REMOTE CONNECTIONS AND TELESERVICE

+50.000 ITEMS IN STOCK IN THE SPARE PARTS WAREHOUSES

80% OF SUPPORT REQUESTS SOLVED ONLINE

88% OF CASES SOLVED WITH THE FIRST ON-SITE VISIT

90% OF MACHINE DOWN CASES WITH RESPONSE TIME UNDER 1 HOUR

92% OF SPARE PARTS ORDERS FOR MACHINE DOWNTIME PROCESSED WITHIN 24 HOURS

+5.000 PREVENTIVE MAINTENANCE VISITS

96% OF SPARE PARTS ORDERS DELIVERED IN FULL ON TIME

MADE WITH BIESSE

CROSA: EVOLVING IN THE FOOD & BEVERAGE SECTOR WITH PRECISION AND VERSATILITY

Crosa has a fifty-year history in the distribution of industrial technical components and is known for its high quality service. The company from Piedmont is constantly growing and innovating and is a strategic partner in various industrial manufacturing settings, especially the food, beverages and packaging sector. At the dawn of the new millennium, it transitioned from being a parts dealer for cars to selling industrial components. In 2008 the company inaugurated a new machining operations department dedicated to plastics: a new business and the beginning of a long-term partnership with Biesse. "These days CROSA mainly operates as a sales company, but that's not all we are. We also have a manufacturing unit dedicated to the production of plastics for the mechanical sector, and the food & beverage sector accounts for 90% of our activities," explained CROSA owner Giovanni Sartore. The company purchased two Biesse machines in 2018: a 3-axis machining centre, the Rover Plast A FT, and a 5-axis machining centre, the Materia CL. "Purchasing these machines boosted our machining quality and our ability to respond to the needs of our customers. Thanks to these technologies, we've been able to raise the level of complexity of the components we make", Sartore continued.

Precision machining, versatility and the capacity to cover every step in the creation of industrial technical components are some of the main advantages offered by the two Biesse machining centres. "We can guarantee the following machining phases for our customers: supplying the raw materials, supplying cut materials and supplying items processed from sheets of raw material. More specifically, thanks to the Rover Plast A FT we can obtain advanced nesting, while our pride and joy, the Materia CL, has opened us up to the processing of advanced materials, especially for the food sector", explained Lorenzo, CROSA Production Manager. The company provides precise machining, milling and tapping for components used in the food & beverage sector. "Ever since we started using the Biesse machines, we've been able to offer higher quality and greater flexibility for our customers", Lorenzo stated in closing. The industrial technical parts sector is full of challenges and opportunities: the production of complex industrial parts requires ultimate precision, a distinctive trait of Biesse technology. "By opting for Biesse machining centres, we've introduced extremely innovative technology that allows us to satisfy requests entailing the machining of parts with complex shapes, sizes and materials, ensuring elevated precision, quality and reliability for our customers. I consider Biesse a partner for the coming future. The challenges will be increasingly complex, but I believe we'll have no trouble rising to the occasion together", Sartore concluded.

LIVE THE EXPE RIENCE

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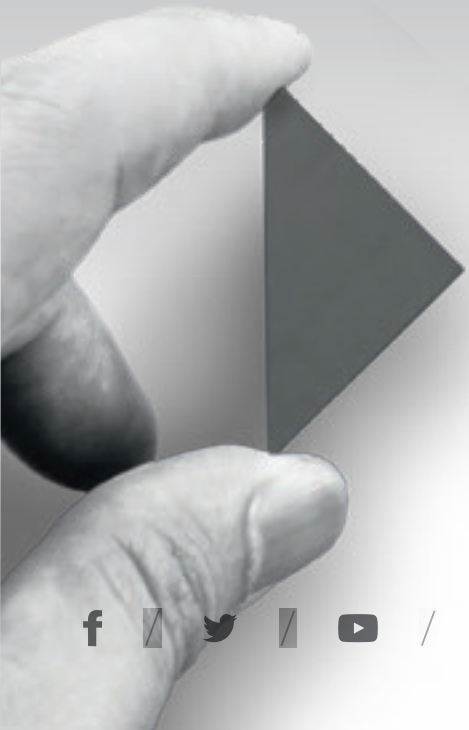

Interconnected technologies and advanced services that maximise efficiency and productivity, generating new skills to serve better our customer.

LIVE THE BIESSE GROUP EXPERIENCE AT OUR CAMPUSES ACROSS THE WORLD

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LYQK400035 november 2021

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