

Rover J FT

NC processing centre



When competitiveness
means automated
precision



Made **In** Biesse

The market demands

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 clearly-defined delivery times.

Biesse responds,

with high-tech, innovative solutions for nesting operations. Rover J FT is the Biesse processing centre with Gantry structure, designed to machine panels in wood and its derivatives. It's ideal for artisans aiming to automate their production processes.

- ✓ **Efficiency throughout all the machining operations.**
- ✓ **Advanced technology for exceptional finish quality.**
- ✓ **Work table with a versatile locking system.**
- ✓ **User-friendly solutions for top efficiency.**

Easy and practical
to use

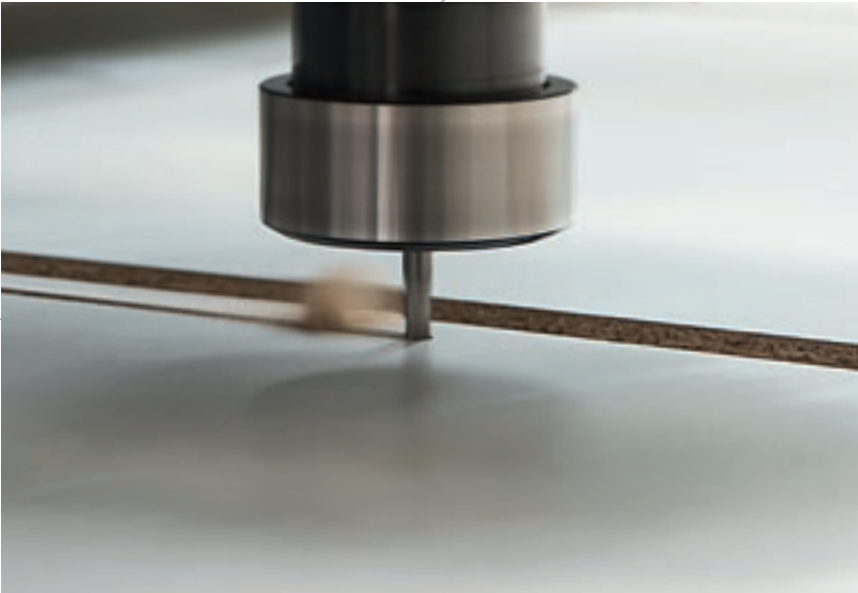


Rover J FT
NC processing centre



Efficiency throughout all the machining operations

Rover J FT can carry out various types of machining operation, including: the nesting of small doors and furniture elements, scoring on solid wood, panels and doors.





Advanced technology for exceptional finish quality

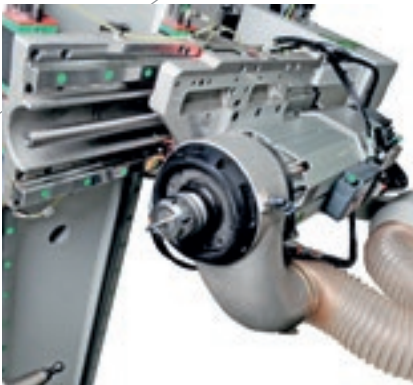
Biesse uses the same high-tech components for all machines in its product range. The electrospindle, boring head and aggregates are designed and manufactured for Biesse by HSD, the global leader in this sector.



Electrospindles for every application:
- 5 kW HSD with manual tool change 1,000-24,000 rpm (standard),
- 9 kW HSD ISO30 / HSK F63 1,000- 24,000 rpm (optional).



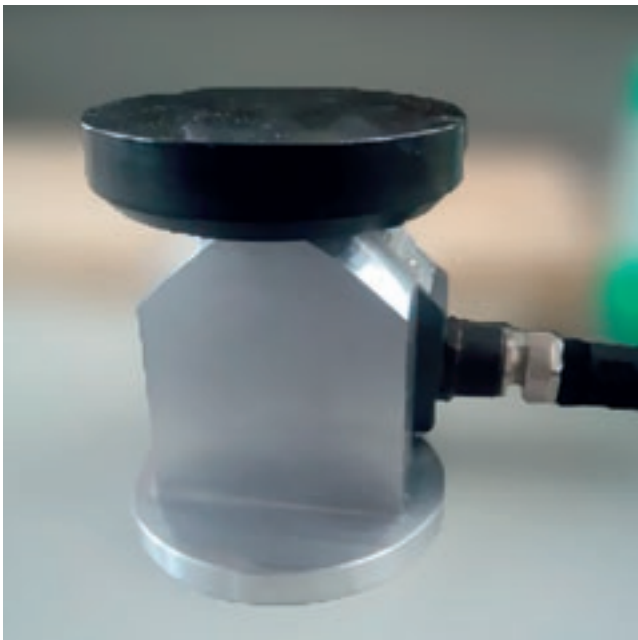
BH5 boring head.



Reduced machining times thanks to the tool change magazine with 7 or 8 positions (Rover JFT 1224 and Rover J FT 1530 respectively).

User-friendly solutions for top efficiency

The Rover J FT offers advanced technology that's reliable and easy to use, guaranteeing first class results.



Reduced tool change times and less risk of operator errors thanks to the pre-setter contact that automatically establishes the tool length.



The dual X axis drive can sustain high speeds, guaranteeing excellent precision and finish quality.

Work table with a versatile locking system

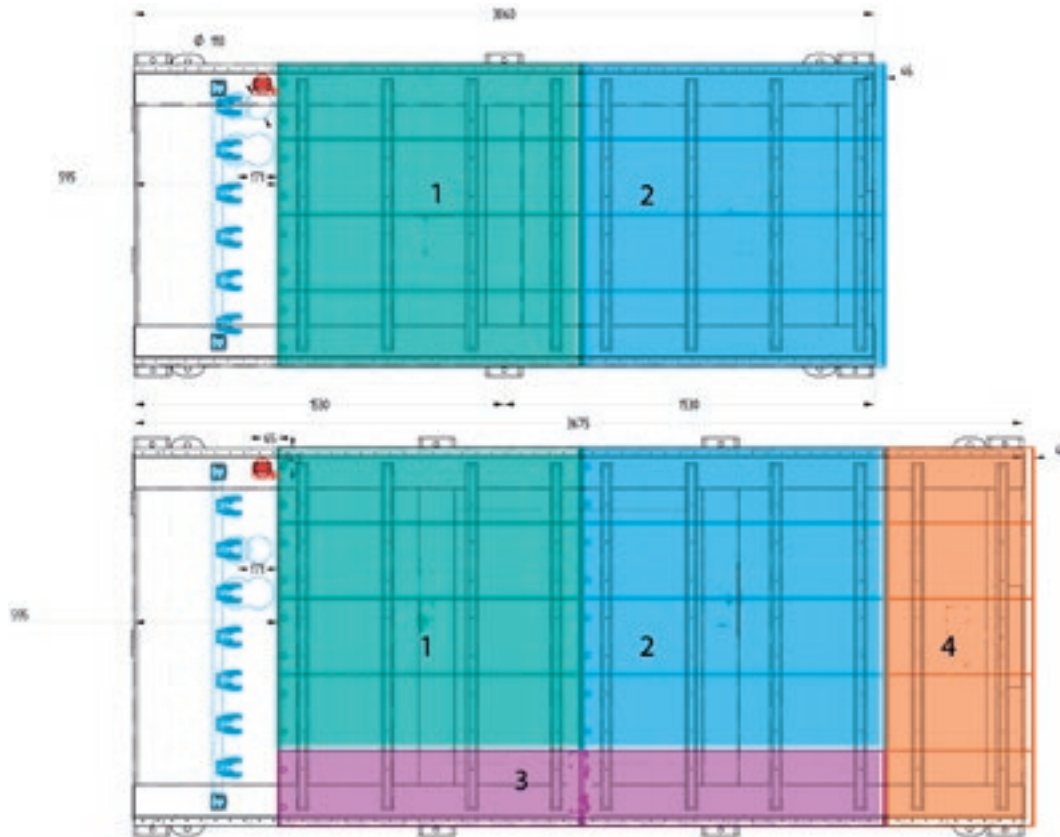
Work table in aluminium for the reliable machining of various types of panel.



The aluminium work table allows pieces to be mechanically locked via the T-slots or the vacuum system (optional).



Manual selection of the vacuum areas.



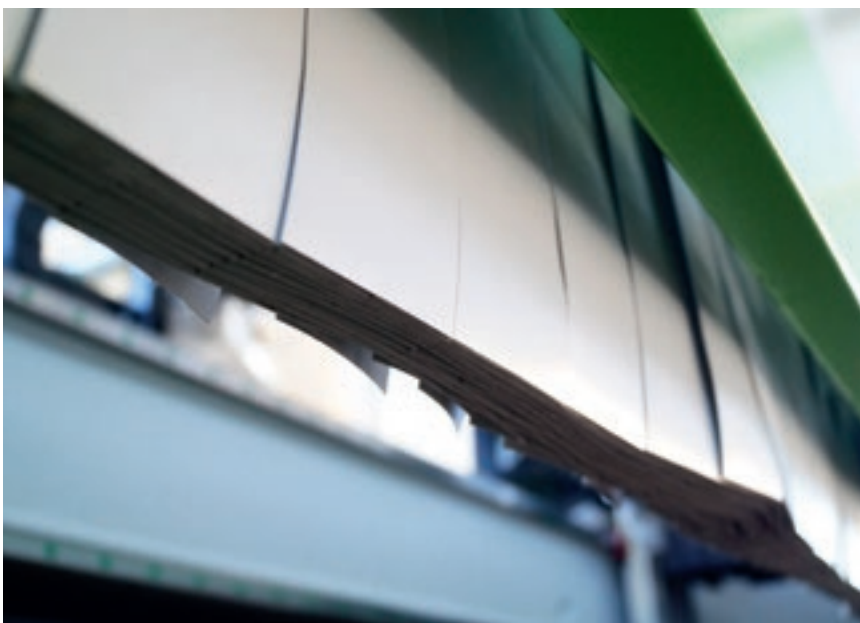
Manual reference stops for easy work table adjustment.

Maximum operator safety

Biesse machines are designed to enable operators to work in complete safety. Working unit total protection.



Maximum safety and machining visibility for the operator.



Overlaid layers of side curtain guards to protect the working unit, which are flexible to enable the machine to work at maximum speed in total safety.



DSP remote control allowing the operator immediate, direct control.



Automated lubrication is an option that ensures the continuous lubrication of the machine's main moving parts without the need for operator intervention.



Electrical cabinet with PC control unit and Windows operating system.

Productive economy

Biesse's processing centres for nesting and carving operations allow to achieve a finished produced machined on a single, compact machine at a competitive price. The robust and well-balanced structure of the machine is ideally suited for withstanding greater processing stresses without compromising the quality of the piece and for ensuring the best finish on different types of materials.

NESTING SOLUTIONS

Productivity and efficiency are increased, while maintaining high quality standards and fast delivery times. A perfect combination of Biesse optimisation and Italian genius.



High-tech becomes accessible and intuitive



bSolid 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, with endless possibilities.**
- ✓ **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.**

Watch the **bSolid** ad at: youtube.com/biessegroup



bSolid



bSolid



Reduced time and waste

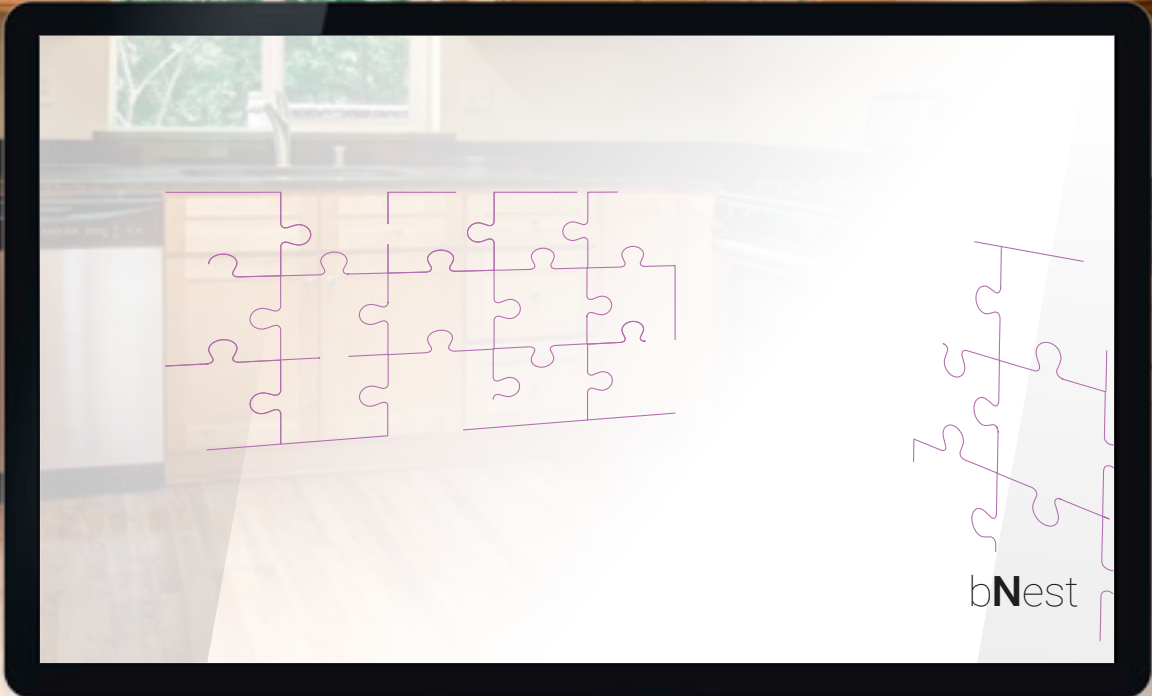


bNest is the bSuite plugin specifically for nesting operations. It allows you to organise your nesting projects in a simple way, reducing the material waste and machining times.

- ✓ **Reduced production costs.**
- ✓ **Simplified work for the operator.**
- ✓ **Integration with company software.**



bNest



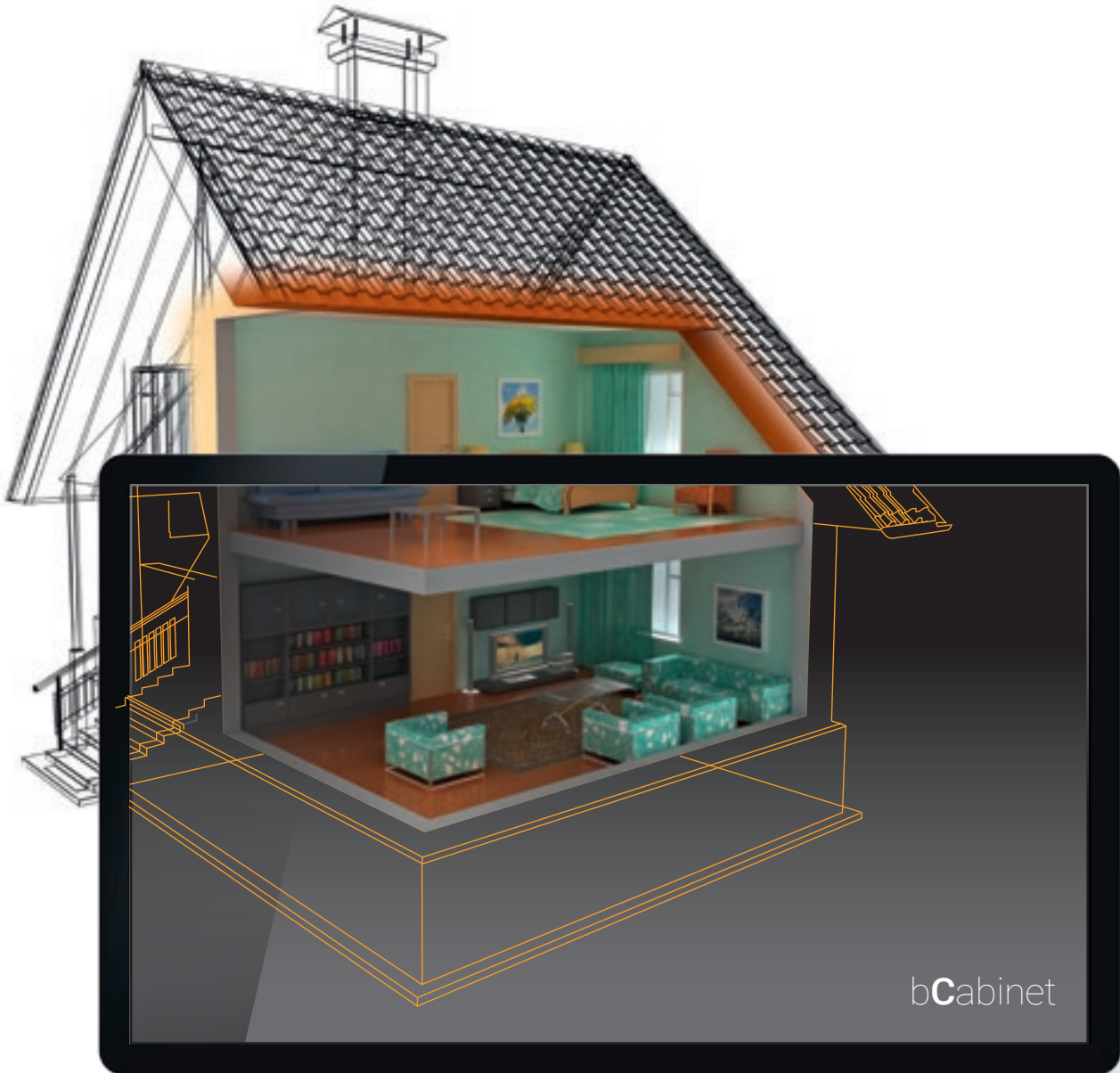
Ideas take form and shape



bCabinet is the bSuite plugin for furniture design. It allows users to develop designs for a given space, and to quickly identify the individual elements that make it up.

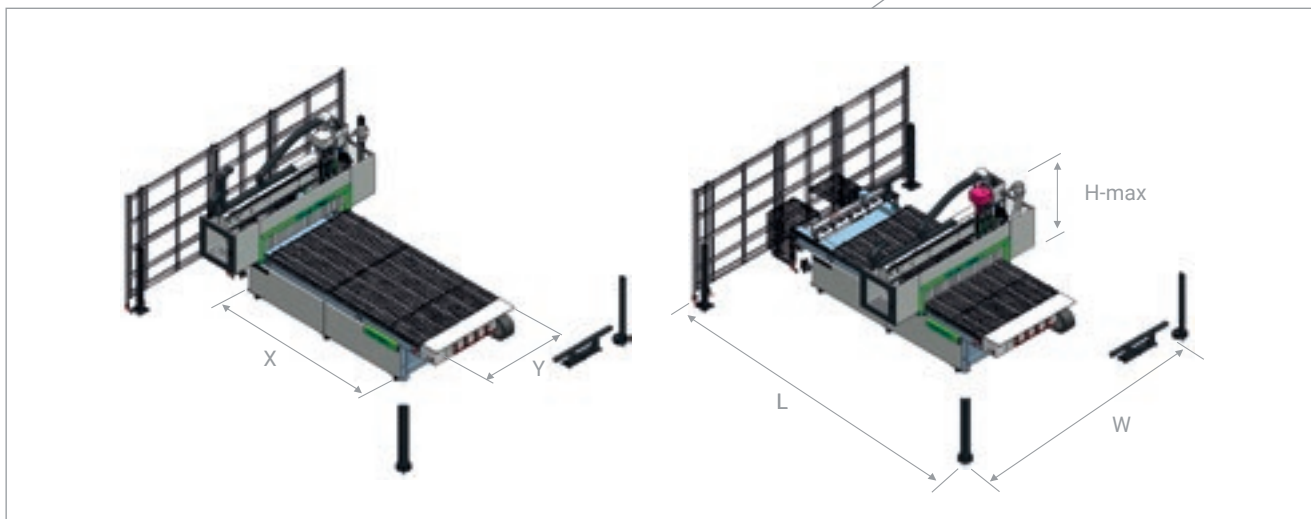
- ✓ **With the new plugin, it is easy to draw both individual items of furniture and complete furnishings for a range of spaces.**
- ✓ **Offering optimal integration with bSuite, users can move from design to manufacturing in just a few clicks.**
- ✓ **Total control and maximum optimisation of the furniture design and creation process, to achieve the highest levels of efficiency.**

bCabinet



Technical specifications

Stand-alone machine with access on 3 sides.



Working dimensions

	L		W		H	H-max
	mm/inch					
	NCE	CE	NCE	CE		
Rover J FT 1224	4834 / 190	5034 / 198	4089 / 161	4089 / 161	966 / 38	2210 / 87
Rover J FT 1530	5486 / 216	5686 / 224	4375 / 172	4375 / 172	966 / 38	2210 / 87

Working fields

	X	Y	Z
	mm/inch		
Rover J FT 1224	2463 / 97	1250 / 49	200 / 7.87
Rover J FT 1530	3078 / 121	1563 / 62	200 / 7.87

Axis speed

	X	Y	Z
m/min - ft/min	22.5 / 73.8	22.5 / 73.8	12.5 / 41.0

Axis speed (Express Pack)

	X	Y	Z
m/min - ft/min	54 / 177.2	54 / 177.2	22.5 / 73.8

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 (LpA) during machining at the operator's workstation on the vane-pump machine Lpa=79dB(A) Lwa=96dB(A) Weighted sound-pressure level A (LpA) at the operator's workstation and sound power level (Lwa) during machining on the cam-pump machine Lwa=83dB(A) Lwa=100dB(A) Measurement uncertainty K dB(A) 4.

The measurement was carried out in compliance with UNI EN 848-3:2007, UNI EN ISO 3746: 2009 (sound power) and UNI EN ISO 11202: 2009 (sound pressure levels at workstation) during panel machining. The noise levels shown are emission levels and do not necessarily correspond to safe operation levels. Despite the fact that there is a relationship between emission and exposure levels, this may not be used in a reliable manner to establish whether further measures need to be taken. The factors determining the exposure level for the workforce include length of exposure, work environment characteristics, other sources of dust and noise, etc. i.e. the number of other adjoining machines and processes. At any rate, the above information will enable the operator to better evaluate dangers and risks.

Biesse CNC Nesting range

CNC - NESTING



ROVER J FT



KLEVER



ROVER S FT



ROVER A FT



ROVER B FT



ROVER C FT



EXCEL LINE

Service & Parts

Direct, seamless co-ordination of service requests between Service and Parts.
Support for Key Customers by dedicated Biesse personnel, either in-house and/or at the customer's site.

Biesse Service

- ✓ Machine and system installation and commissioning.
- ✓ Training centre dedicated to Biesse Field engineers, subsidiary and dealer personnel; client training directly at client's site.
- ✓ Overhaul, upgrade, repair and maintenance.
- ✓ Remote troubleshooting and diagnostics.
- ✓ Software upgrade.

500 / Biesse Field engineers in Italy and worldwide.

50 / Biesse engineers manning a Teleservice Centre.

550 / Certified Dealer engineers.

120 / Training courses in a variety of languages every year.

The Biesse Group promotes, nurtures and develops close and constructive relationships with customers in order to better understand their needs and improve its products and after-sales service through two dedicated areas: Biesse Service and Biesse Parts.

With its global network and highly specialised team, it offers technical service and machine/component spares anywhere in the world on-site and 24/7 on-line.



Biesse Parts

- ✓ Original Biesse spares and spare kits customised for different machine models.
- ✓ Spare part identification support.
- ✓ Offices of DHL, UPS and GLS logistics partners located within the Biesse spare part warehouse, with multiple daily pick-ups.
- ✓ Order fulfilment time optimised thanks to a global distribution network with de-localised, automated warehouses.

87% / of downtime machine orders fulfilled within 24 hours.

95% / of orders delivered in full on time.

100 / spare part staff in Italy and worldwide.

500 / orders processed every day.

Made **With** Biesse

Maton and Biesse make music together.

With more than 1200 models of guitars made for thousands of professional musicians, Maton Guitars confirms its worldwide presence, becoming a truly great Australian success story. "The best guitar is the one that the market demands," states Patrick Evans, Head of Product Development at Maton. The evolution in production techniques and research into the most efficient software continues, prompting Maton to hunt for new solutions that can better respond to emerging needs. In 2008, after considering the pros and cons of a range of manufacturers, Maton chose Biesse. Maton's production needs incorporate technological requirements and artisan skills; the right balance of these two allows them to achieve the highest levels of quality and performance. A great guitar is both a work of art and a fine musical instrument. To obtain these results, the right tools are crucial - both for heavy machining operations and delicate processes, to create 3D shapes and work with minimal tolerances. Biesse has provided Maton with a range of advanced solutions for machining processes, not only adding quality to the products, but also providing the skilled craftsmen with more time to devote to manual finishes, ensuring that every product is unique.

In 1995, the company installed their first CNC machine. They now have two nesting centres in tandem. The Rover C is the ideal machine for high-precision nesting operations, but also for creating complex shapes, such as the body of Maton's unique guitars. The machine's newly-designed cabin provides excellent visibility of all working units. Biesse is much more than a manufacturer of machinery for producing kitchens. Their impressive range of machines can process an astounding range of materials and products. "In creative hands," commented Patrick Evans, "Biesse becomes the instrument of a true craftsman. The key is to identify the right machine for the job. We found we can accomplish much more than we thought on a Biesse machine." Maton also uses the two Biesse machines to create new product prototypes; the most complex shapes, and almost every individual part which makes up a Maton guitar. Patrick confirms that Maton uses the Biesse CNC machine at high speeds even on the most complex parts, such as the magnificent fingerboard. "We need enough flexibility to be able to switch from one model to another very quickly, and Biesse allows us to do this very effectively." Biesse gives users the creative freedom to produce virtually

any concept, both quickly and efficiently. "With the Biesse's CNC machine," Patrick continues, "you can turn your ideas into reality much faster. Thanks to the flexibility provided by Biesse machines, we can produce two fingerboard prototypes in seven minutes! If we made them by hand, it would take a whole day. Using Biesse machines has allowed us to create eight new guitar models this year alone." Using Biesse machines has allowed Maton to devote more time to the quality of the finish, wasting less time on processing individual pieces. Each Maton guitar is hand-finished by a dedicated and qualified team of luthiers. Maton has demonstrated that it is possible to produce a guitar in Australia with a worldwide reputation for quality, using Australian timber and technologies. Maton knows exactly how to design and build a unique, one-of-a-kind product, a well-made guitar, and with Biesse as valued partner, the best guitars in the world are brought to life.

Taken from an interview with Patrick Evans, head of Product Development at Maton Guitars - Australia



<http://www.maton.com.au>



Biesse Group

In

1 industrial group, 4 divisions
and 8 production sites.

How

€ 14 million p/a in R&D and 200 patents registered.

Where

34 branches and 300 agents/selected dealers.

With

customers in 120 countries (manufacturers of furniture,
design items and door/window frames, producers of ele-
ments for the building, nautical and aerospace industries).

We

3,200 employees throughout the world.

Biesse Group is a multinational leader in the
technology for processing wood, glass, stone, plastic
and metal.

Founded in Pesaro in 1969, by Giancarlo Selci, the
company has been listed on the Stock Exchange
(STAR segment) since June 2001.

 **BIESSEGROUP**

 **BIESSE**

 **INTERMAC**

 **DIAMUT**

MECHATRONICS

