

Rover PLASTJFT

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 defined delivery times.

Biesse responds

with high-tech, **innovative solutions** for processing technological materials.

Rover Plast J FT is Biesse's gantry-structure machining centre for nesting operations. It is the perfect machine for artisans looking to automate their production, and guarantees maximum quality and reliability at a competitive price.

- ✓ **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.**



Exceptional functionality
and ease of use



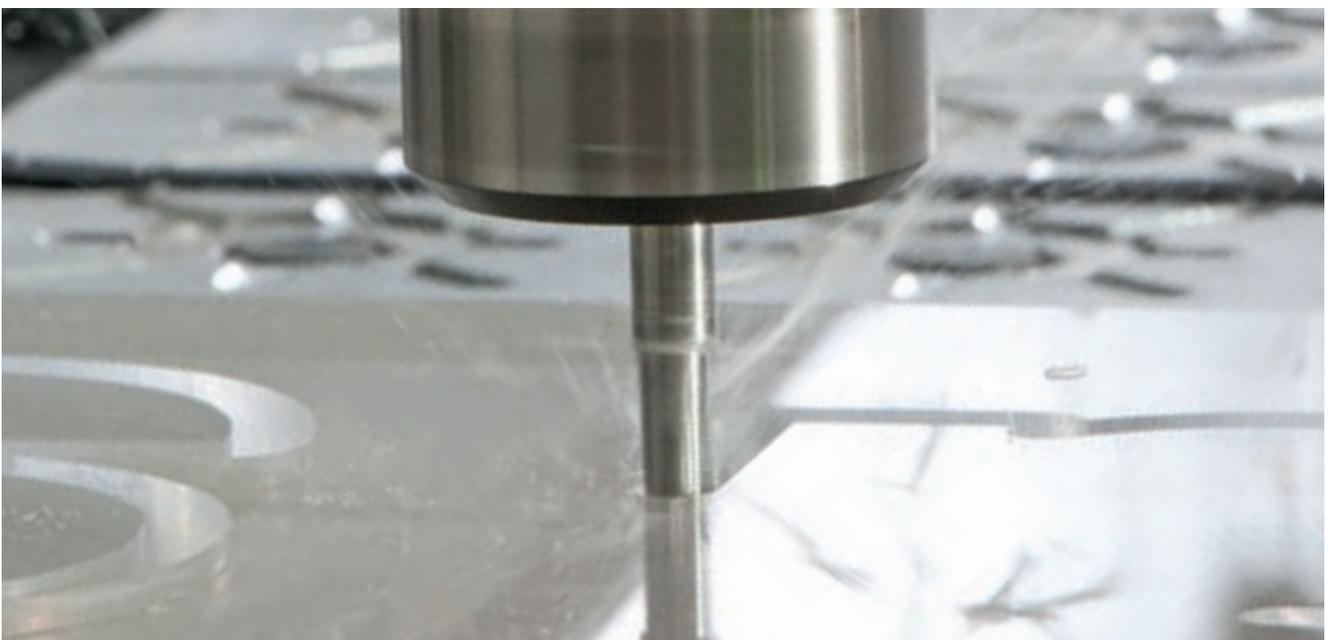
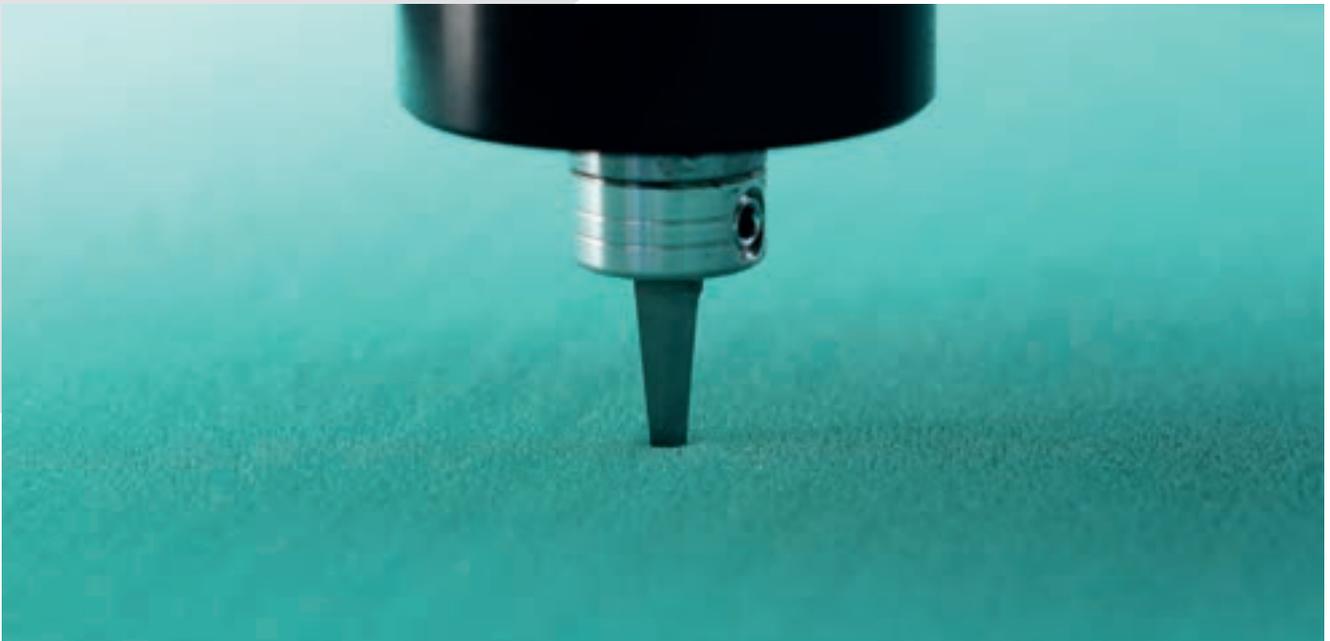
Rover **PLAST J FT**
NC processing centre



Rover Plast J
1.330

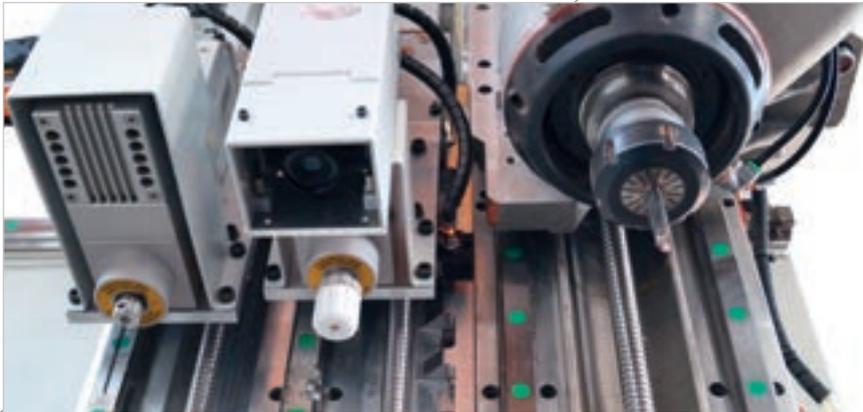
Maximum efficiency across all machining operations

Biesse offers technological solutions for the creation of products for packaging, visual communications, construction and industry, with machines for working with expanded and compact plastic materials, composites and cardboards.



Advanced technology for exceptional finish quality

A dedicated team with specific skills in the sector designs and creates high-tech solutions to meet the needs of operators who work with advanced materials.



Maximum precision for many type of machining operation thanks to the Tangential/Oscillating Blade, the specific tool unit for processing plastic and composite materials.



The Tangential/Oscillating Blade unit can be fitted with a video camera accessory for the management of print markers, an option that's particularly well-suited to the graphic arts sector. The camera can also be used with the milling unit.

User-friendly solutions for top efficiency

The Rover Plast J FT offers advanced technology that is both reliable and easy to use, for guaranteed first-class results.



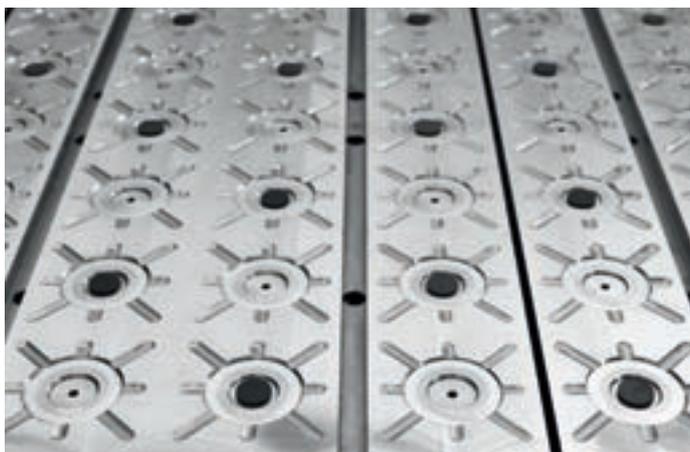
Reduced tool change times and less risk of operator errors thanks to the pre-setter contact that automatically establishes the tool length.



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

Maximum visibility of machining operation

Aluminium work table with versatile locking system, for extremely reliable machining with various types of panel.



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

Compact dimensions and high-quality, ergonomic performance.



Manual selection of the vacuum areas.



The breathable felt base is ideal for performing cutting operations with an oscillating or tangential blade.



Maximum reliability and functionality

The Rover Plast J FT is a simple, accessible and intuitive high-tech solution.



Reduced tooling and set-up times

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

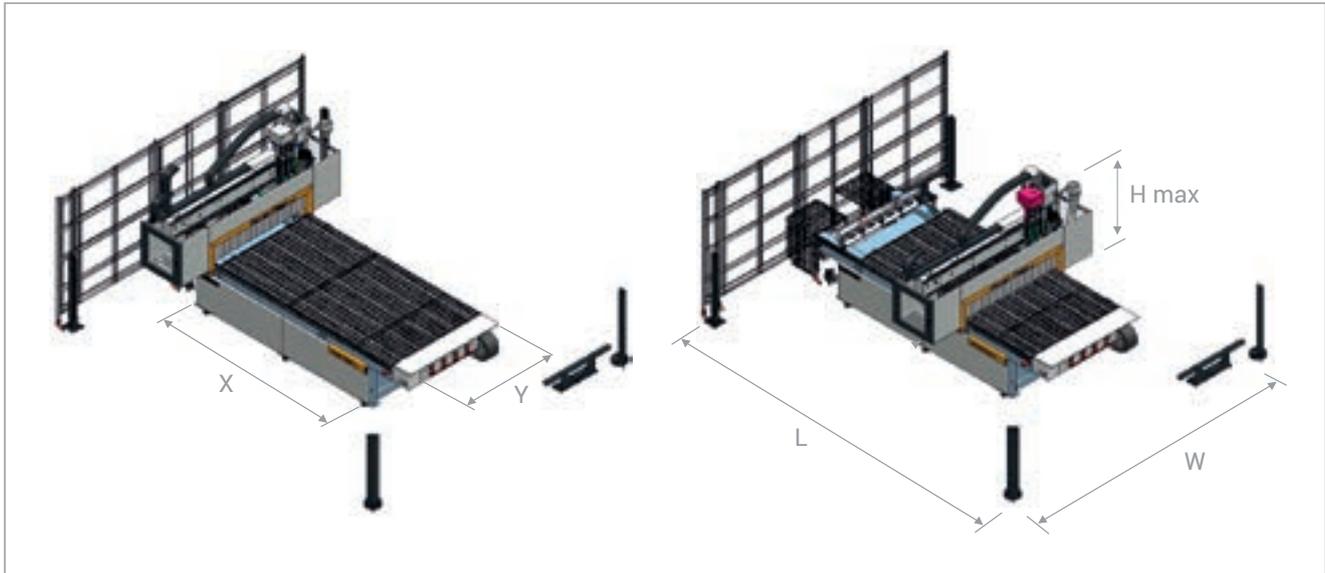


Biesse machines are designed to enable operators to work in complete safety.

Integral protection of the working unit for maximum safety and machining visibility for the operator.

Technical specifications

Stand-alone machine with access on 3 sides



Working dimensions

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

Working fields

	X	Y	Z
	mm/inch		
Rover Plast J FT 1224	2463 / 97	1250 / 49	200 / 7.87
Rover Plast 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.

High-tech becomes accessible and intuitive



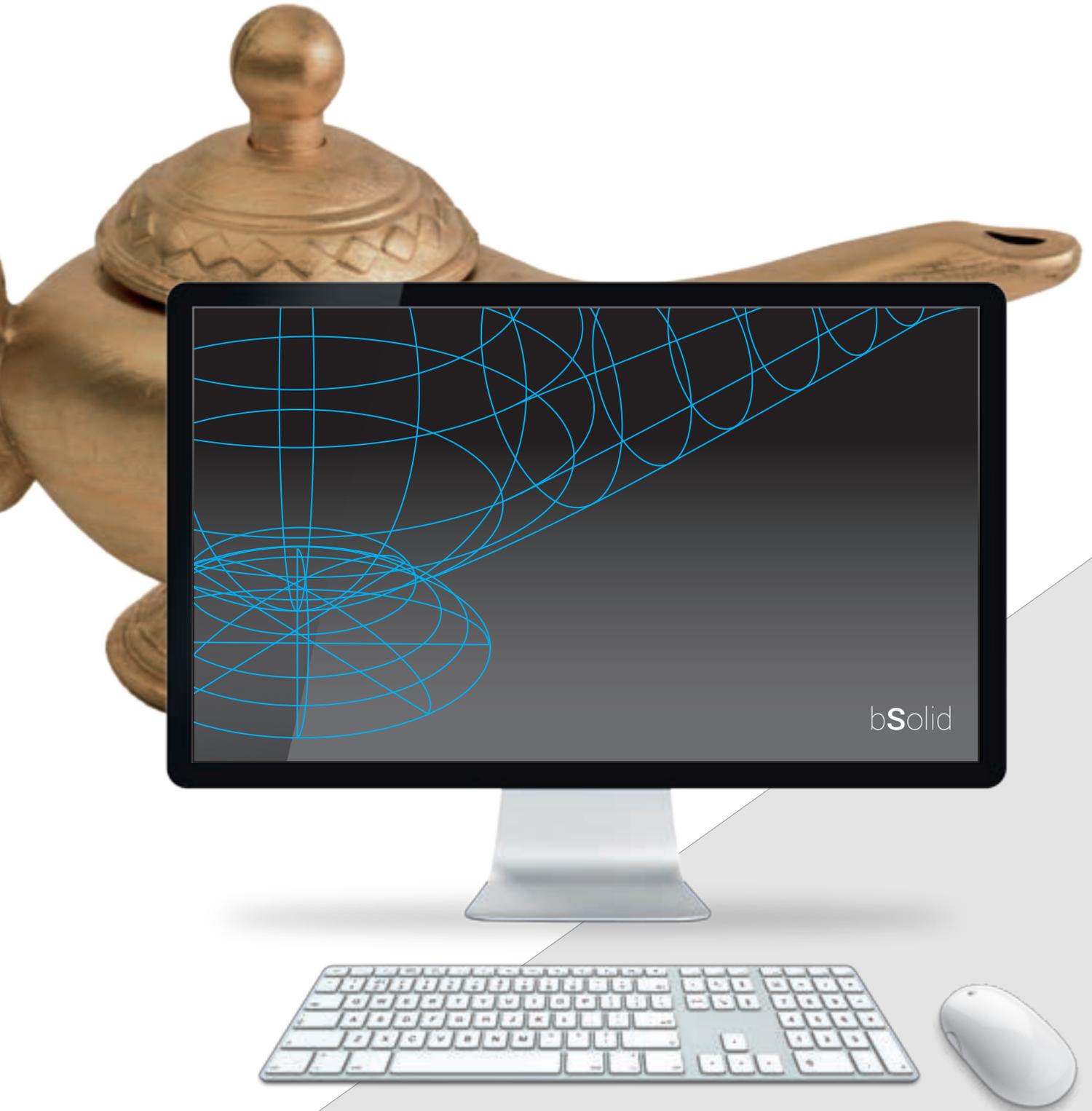
bSolid is a 3D cad cam software program that supports the performance of any machining operation thanks to vertical modules designed for specific manufacturing processes.

- ✓ **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



Reduced time and waste

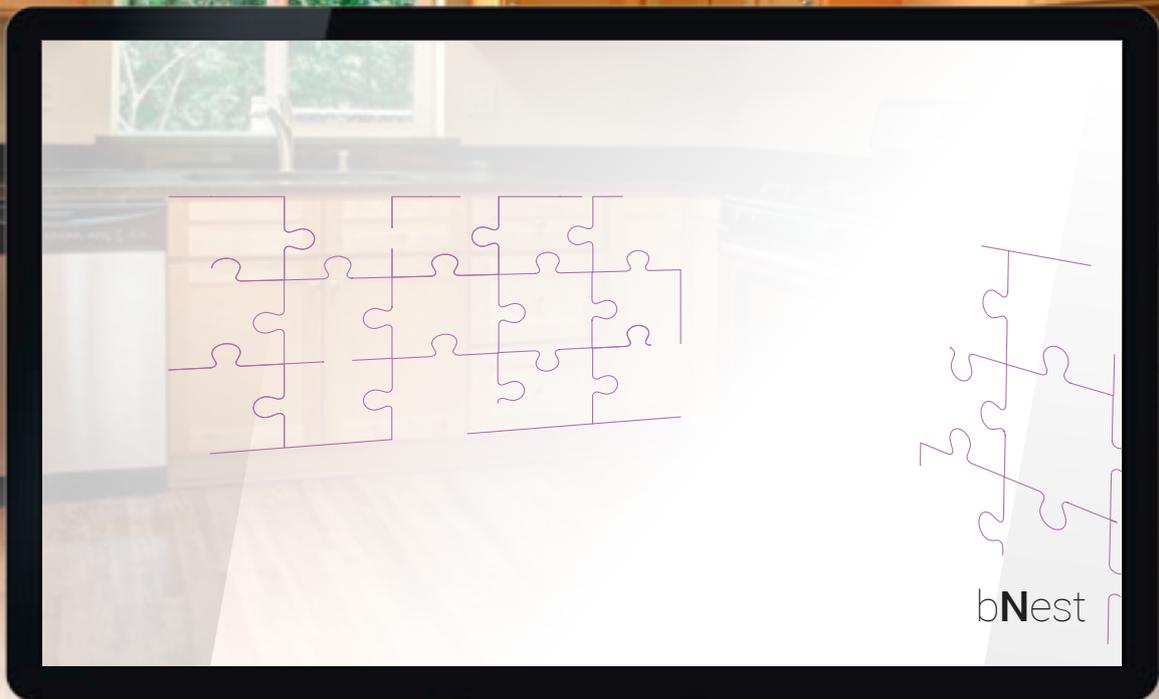


bNest is the bSuite plugin specifically for nesting operations. It allows you to organise your nesting projects in a simple way, reducing the material waste and machining times.

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



bNest



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

A family tradition of three-dimensional signs, on the search for speed and reliability for wood and HDU (high-density urethane) machining operations. The Klever is the perfect solution for stepping into the future.

When you're strolling round the city, wandering down a little side street or looking out across the road, and you notice a sign in a shop or a restaurant that is so colourful or so big that it looks like a work of art, it is almost certainly the work of British company The Grain. As industry leaders in Europe, this family-run business with an international calling has always specialised in the production of three-dimensional signs. Co-directors Peter and Sam Ratcliffe, a winning father and son team, are passionate about their heritage in sign manufacture. Immensely proud, and with a finely-honed attention to detail, the calibre of customers they attract is testament to their expert craftsmanship. Some of the biggest names in the leisure, retail and entertainment industries have turned to The Grain to create signs to advertise their business, with only one specification: that the sign must be both durable and easily distinguishable from others, conveying an image of quality that is consistent with the aesthetics of the room in which it is installed. The company does not just create signs for commercial activities, however: The Grain also produces three-dimensional pieces from both wood and 3D HDU panels, like the signs created for several of the UK's biggest theme parks, Chess-

ington World of Adventures and Longleat Safari Park, working closely with graphic artists and designers.

The exclusive signs manufactured by the company use the finest quality materials available, and are made to stand the test of time. All the Canadian wood they use is FSC certified and sourced from sustainable forests, and is then subjected to a complex process of design, manufacture, installation and maintenance - these are the steps necessary to transform a graphic sketch into an easily-identifiable masterpiece. Laser cutting and engraving gives incredible results at minimal costs, and is combined with digital printing, CNC routing, laser engraving and painting systems.

But in order to grow and expand even further, the Ratcliffe family decided it was time to take a major step forward. "We need a more heavy-duty machine with a bigger work table, in order to transfer our creative designs into the finished products requested by our customers" explained Peter. "Our company philosophy, and our appeal, is founded on the speed at which we can produce multiple products, through the use of larger, thicker substrates, and the Klever has no problem in meeting these requirements. The guys at Delcam recommended the

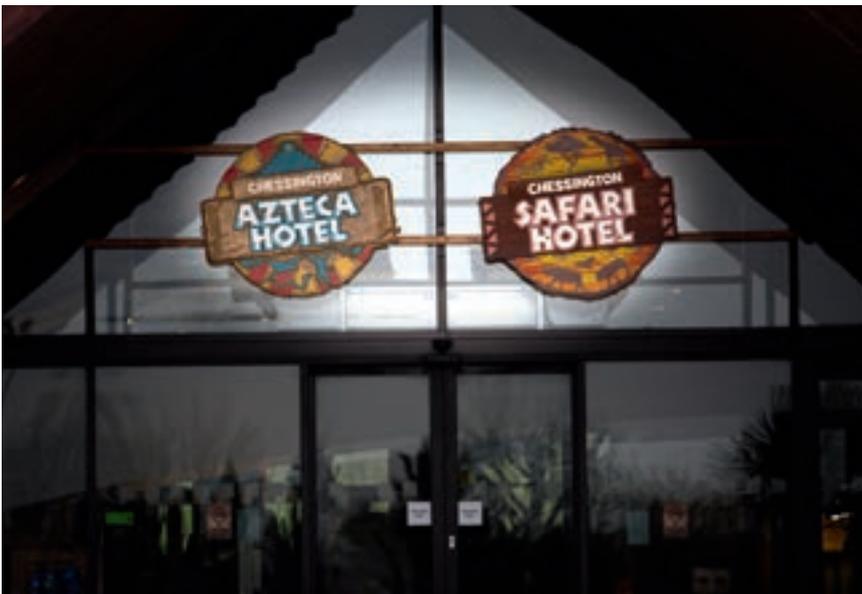
Klever, which we went to see in action at Biesse's Tech Centre in Daventry, and it really ticked all the boxes as far as we were concerned." The machining centre has proved to be the right choice for The Grain, and not only in terms of its superb performance, but also for its compact footprint: the machine needed to be installed under a mezzanine floor with just 2.35m of headroom.

The visit to Daventry further confirmed their decision to buy Biesse. "We were impressed by Biesse's investment and commitment to the UK.

It was also a honour to meet the support team and the parts department - they immediately won our trust," confirmed Peter.

In terms of performance, "the machine offers excellent reliability: We can now perform 3D machining operations on MDF and HDU panels, which has definitely contributed to winning additional business." Investing in Klever has absolutely been worth it - the machine has already paid off the initial outlay, not only in terms of reliability but also with regard to processing speed."

*Peter Ratcliffe,
director of The Grain, UK.*



www.thegrain.co.uk



The Biesse Plast range for processing advanced materials

CNC - NESTING



ROVER PLAST J FT



ROVER PLAST A FT



ROVER PLAST B FT

PANEL SAWS



SELCO PLAST SK4



SELCO PLAST WN6

WATER JET CUTTING SYSTEMS



PRIMUS PLAST 184



PRIMUS PLAST 202-322-324-326

SANDING MACHINES



VIET PLAST S211-S1-S2



VIET PLAST OPERA 5-7-R



BIESSE

INTERMAC

DIAMUT

MECHATRONICS

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 resellers

With

customers in 120 countries: manufacturers of furniture, design items, and door/window frames, producers of components for the building, nautical and aerospace industries

We

3200 employees throughout the world

