

# Rover GOLD

NC processing centre



 **BIESSE**

When competitiveness  
means meeting  
all requirements



Made **In** Biesse

## The market demands

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 Gold** is the compact machining centre designed for high performances capable of meeting various levels of production requirements. It's the ideal machine for those who require a flexible and reliable solution.

- ▶ **A single processing centre for all types of machining operations.**
- ▶ **High finish quality.**
- ▶ **Set up time reduction.**
- ▶ **High-tech becomes accessible and intuitive.**
- ▶ **Machine customisation depending on different production requirements.**

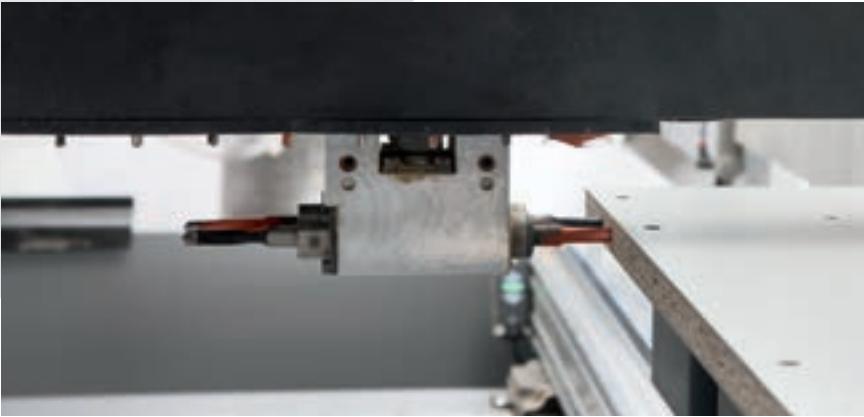
Maximum productivity,  
minimum footprint

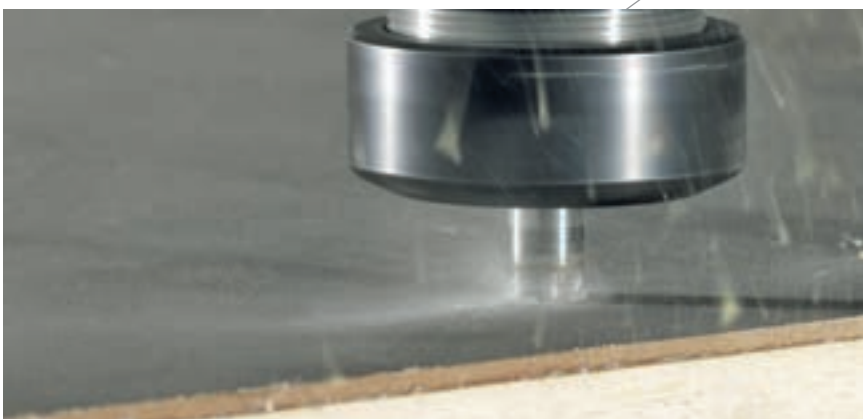


Rover **GOLD**  
NC processing centre



A single processing  
centre for all types  
of machining  
operations





# Reduced set up time

The Biesse work table is guaranteed to hold the work piece securely in place and ensures quick and easy tool changeover.



The innovative **ATS (Advanced Table setting-System) work table** has a universal design for great flexibility and fast setup. It is covered by exclusive patents allowing for rapid locking of pieces of any shape and size, with a drastic reduction in setup time.



The quick change coupling system guarantees fast, simple replacement of the **vacuum units** and **Uniclamps** used to lock narrow and particularly thick pieces.



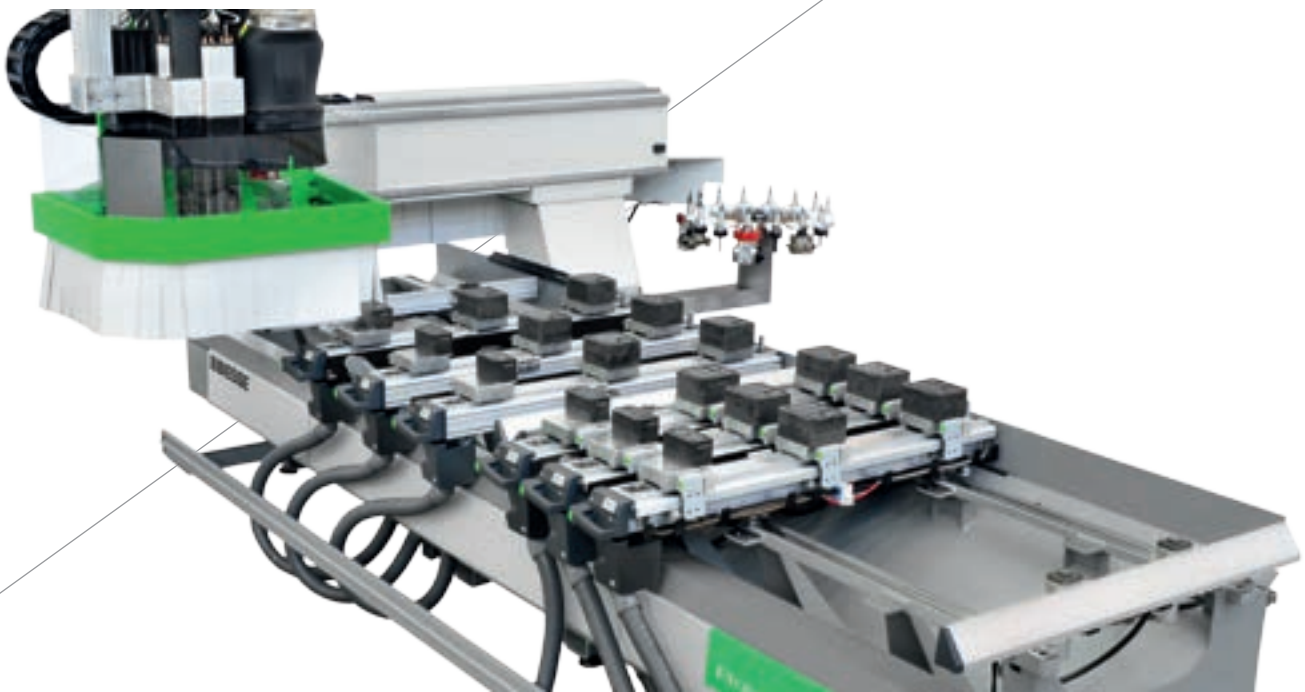




It is possible to switch from one machining operation to the next with no need for operator intervention for tool changes with revolver type **16 pockets tool magazine**, thanks to the large number of tools and aggregates available at machine side.



Rack type tool magazine with **10 pockets**.



# Complete solutions

**Configurations equipped with 3 or 4 independent and interpolation axes and fitted with aggregates capable of handling any type of machining operation. The components of all the configurations are the same as those one used in higher-end solutions.**

## **ROVER** TECHNOLOGY

The high technological content of the machining centres most widely sold in the world meets the requirements of wood industry professionals.

A perfect combination of Biesse innovation and Italian genius.



# High finish quality

Electrospindles, boring heads and aggregates are designed and manufactured for Biesse by HSD, the global leader in the mechatronics sector.



ISO 30 or HSK F63 electrospindle, 13.2 kW.



Boring Head BH 26 2L..



Interpolating **C** axis with continuous rotation of the aggregate on 360 (optional).



Fixed **vertical motor** dedicated to additional milling / routing operations upto 1740 mm along Y axis.



Fixed **horizontal motor** with one outlet for lock routing and horizontal machining operations.

# Aggregates to perform any machining



# Optimal cleaning of machined piece and work area



**Motorised conveyor belt** for the removal of chips and waste (Optional).

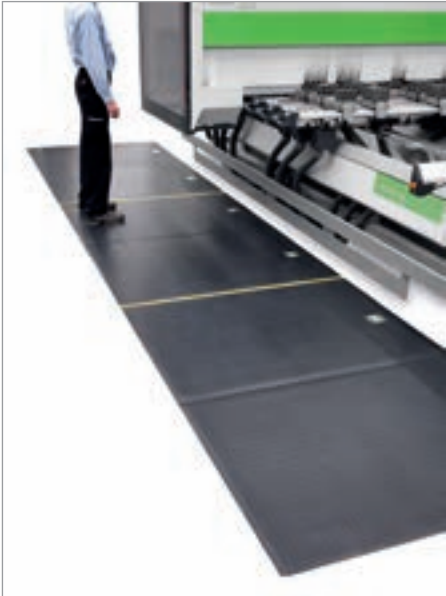


The **automatic lubrication** ensures the continuous lubrication of the machine's main moving parts without the need for operator intervention.



**Adjustable suction hood** with 6 settings (for 4 axes).

# Maximum operator safety



Pressure-sensitive **floor mats** enable the machine to operate at constant maximum speed.



**Remote control panel** for direct and im- mediate operator control (Optional).



Safety and flexibility thanks to the **photo- cells** with no footprint and dynamic tandem loading.



**Anti-Projection safety strips** guarantee the full operation and total safety in accordance with regulations in force.

# 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.

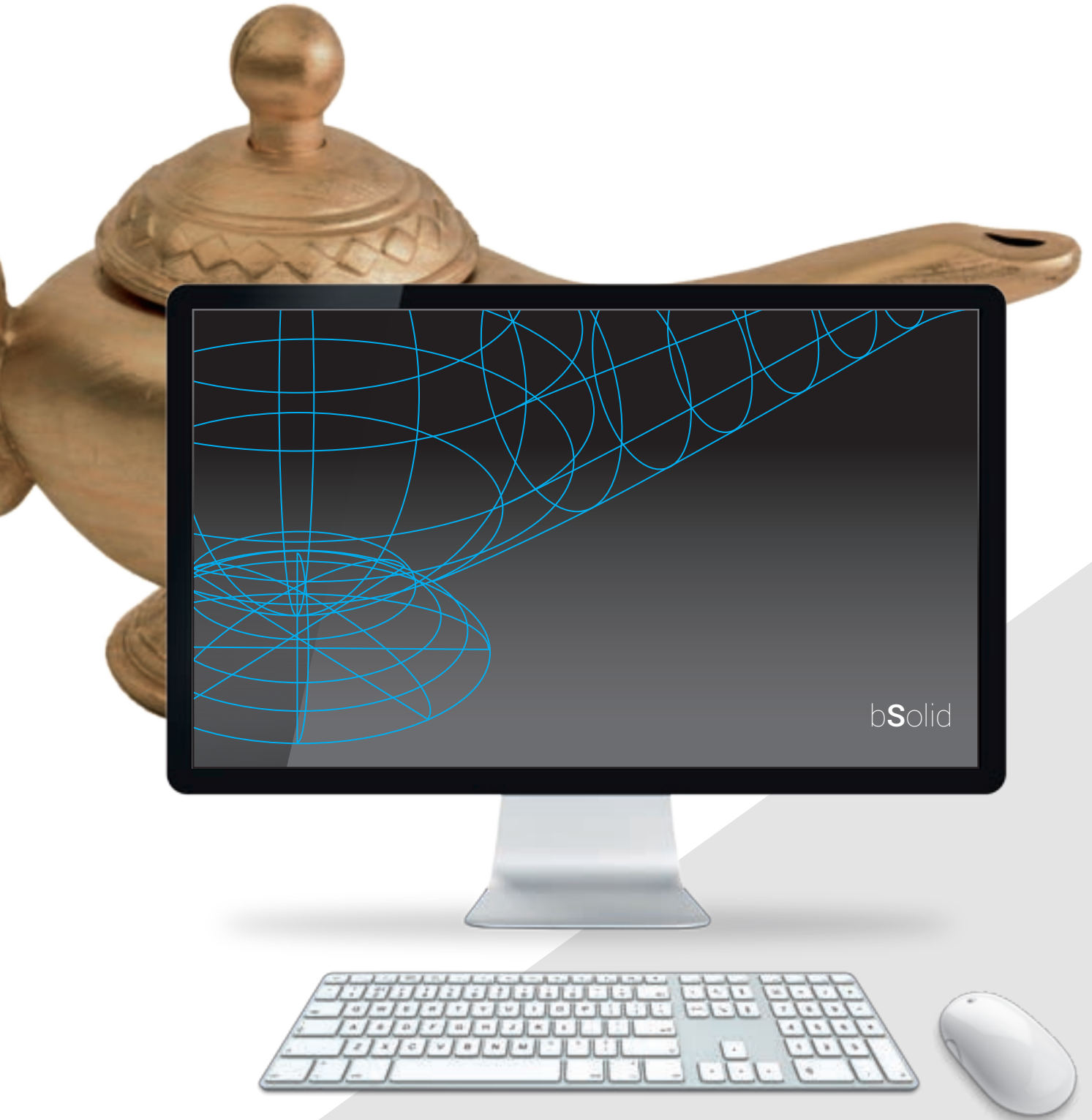
- ▶ **Planning in just a few clicks, with endless possibilities.**
- ▶ **Simulating machining operations to visualise the piece ahead of manufacturing and have some guidance for the planning phase.**
- ▶ **Virtual prototyping of the piece to avoid collisions and ensure optimal machine equipment.**

Watch the **bSolid** ad at: [youtube.com/biessegroup](https://youtube.com/biessegroup)





bSolid



# 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.

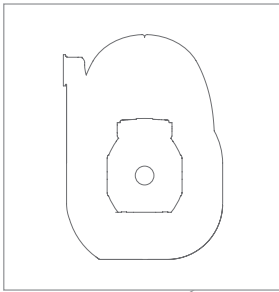
- ▶ **With the new plugin, it is easy to draw both individual items of furniture and complete furnishings for a range of spaces.**
- ▶ **Offering optimal integration with bSuite, users can move from design to manufacturing in just a few clicks.**
- ▶ **Total control and maximum optimisation of the furniture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

# bCabinet

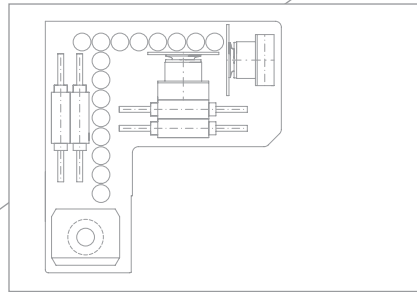


# Machine customisation depending on different production requirements

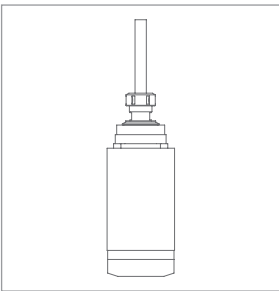
**A team of specialised sales engineers can understand production requirements and suggest the optimal machine configuration.**



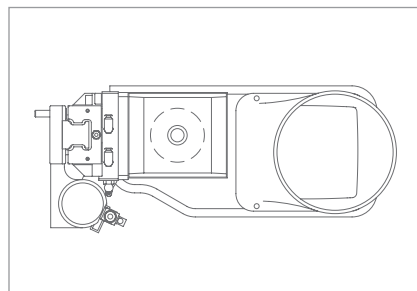
ISO 30 or HSK F63 electrospindle, 13.2 kW.



26 positions boring heads bh26 2L.



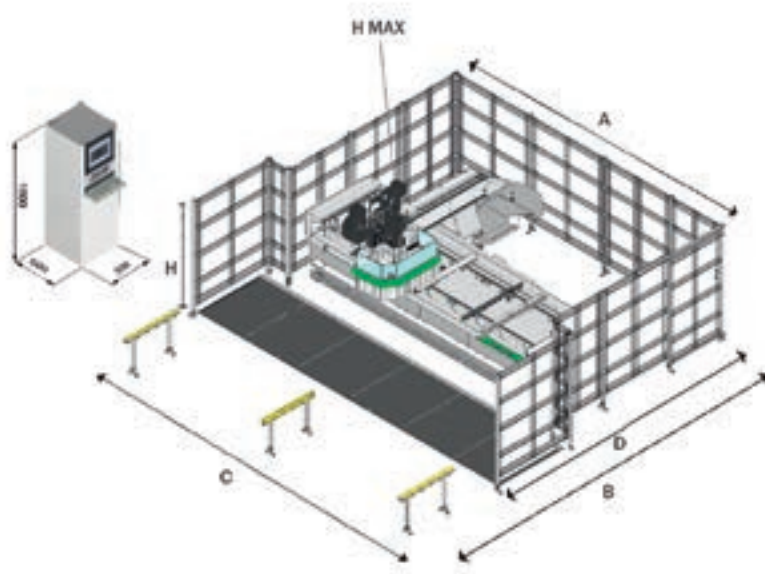
Horizontal 1 outlet 4.5 kW electrospindle.



6 kW vertical milling unit.



# Technical specifications



## Foot print

	A	B	C	D	H	H MAX
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch
Rover Gold 1232	6080/239.3	4807/189.8	5837/229.8	4864/191.5	1000/39.3	2430/95.6
X/Y/Z axis speed	80/60/25 m/min - 262.4/196.8/82					

## Working field

	X	Y	Z
	mm/inch	mm/inch	mm/inch
Rover Gold 1232	3280/129.1	1260/49.6	170/6.7

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.

A weighted sound pressure level (LpA) during machining for operator workstation on vane-pump machine Lpa=79dB(A) Lwa=96dB(A) A-weighted sound-pressure level (LpA) for operator workstation and sound power level (LwA) during machining on cam-pump machine Lwa=83dB(A) Lwa=100dB(A) K measurement uncertainty 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.

# 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.

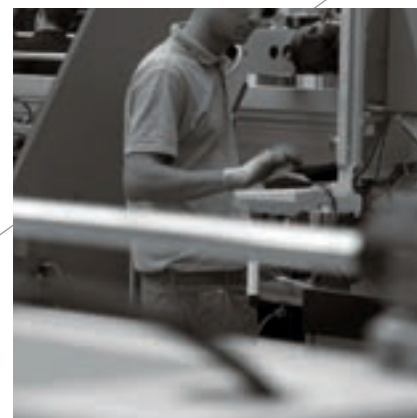
50 / Biesse engineers manning a Teleservice Centre.

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.

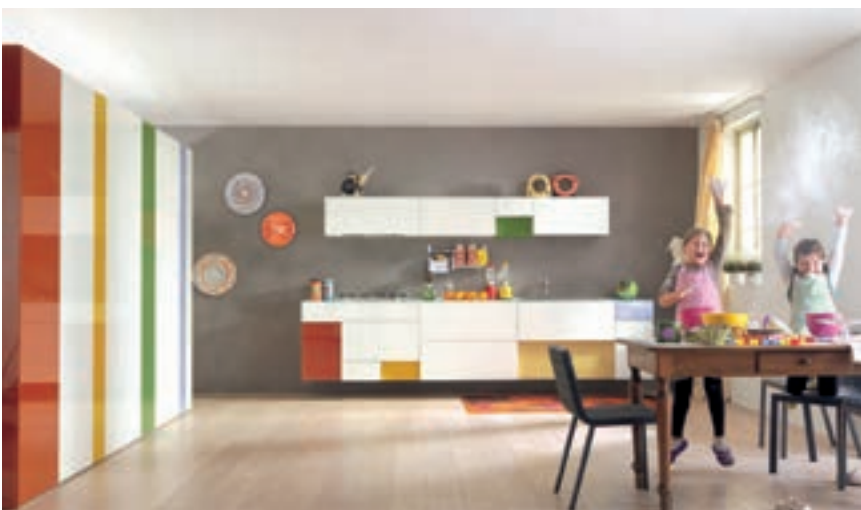
# Made **With** Biesse

## **Biesse Group technologies join forces with Lago's innovation and total quality management processes.**

In the crowded world of domestic design, Lago takes its place as an emerging brand, thanks to a collection of stimulating products and a corporate philosophy that embraces the interaction between business and art, coupled with on-going research into sustainable development. "We created a number of projects, or rather, concepts - states Daniele Lago - that have shaped Lago as we see it today: we saw design as a cultural vision that applies not only to individual products, but rather to the entire business chain". "Flexibility is the key word here at Lago" says Carlo Bertacco, Manufacturing

Manager. "We started to introduce the concept of processing only outstanding orders, which enabled us to reduce our footprint and empty the site from the very beginning". "The machinery that we purchased - states Bertacco - is great, it entailed a limited investment versus the capabilities it offers and is linked to a specific manufacturing approach. What I am talking about is a given manufacturing volume with Lago-standard quality levels and the possibility of customising as late as possible, at the customer's request: in short, the very basic principles of lean manufacturing".

*Source: IDM Industria del Mobile  
Lago, our customer since 1999, is one of most prestigious Italian furniture brands in the world.*



<http://www.lago.it>





# Gamma Routing CNC Biesse

## CNC - ROUTING



ROVER GOLD G  
NCE



ROVER GOLD  
NCE



ROVER K



ROVER A SMART



ROVER A



ROVER M5



ROVER B



ROVER C



EXCEL

# **BIESSE**GROUP

 **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 

3400 employees throughout the world