

# RO VER GOLD G

NC PROCESSING CENTRE



 **BIESSE**



 **BIESSEGROUP**

# MINIMUM FOOTPRINT, MAXIMUM PERFORMANCE



## 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 G** is an NC processing centre designed for craftsmen who need to automate their production process as well as small-medium enterprises that specialise in custom made products.



## ROVER GOLD G

- ✔ A SINGLE PROCESSING CENTRE FOR THE MANUFACTURING OF SOLID WOOD AND PARTICLE BOARD FURNITURE
- ✔ CONSISTENT PROCESSING QUALITY OVER TIME
- ✔ PANEL AND WORK AREA CLEANING
- ✔ MAXIMUM OPERATOR SAFETY
- ✔ HIGH-TECH BECOMES ACCESSIBLE AND INTUITIVE.

# A SINGLE PROCESSING CENTRE FOR THE MANUFACTURING OF SOLID WOOD AND PARTICLE BOARD FURNITURE



Rover Gold G, available in two sizes, is equipped with 3 or 4 independent and interpolation axes and can be fitted with aggregates capable of handling any type of machining operation.

The **components** of Rover Gold G configurations are the same as those one used in higher-end solutions. The electro-spindle, boring head and aggregates are designed and manufactured for Biesse by HSD, the global leader in this sector.



New **C Torque axis**:  
more precise, quicker, more rigid.

## AGGREGATES TO PERFORM ANY MACHINING OPERATION.



# 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 work table boasts a universal design for superb flexibility and easy configuration.



**Modules** for vacuum locking system.



**Uniclamp clamps** with pneumatic system.



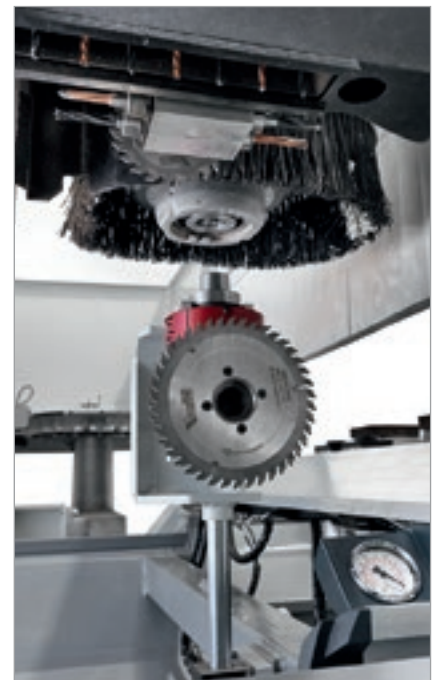
Ergonomic auxiliary vacuum outlet for customized jigs.



Different **references** for the machining of multiple components.



Thanks to the **16 position tool-changer**, tools and aggregates are always available, without the need for operator intervention when moving from one machining process to the next.



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

# LONG TERM QUALITY AND RELIABILITY

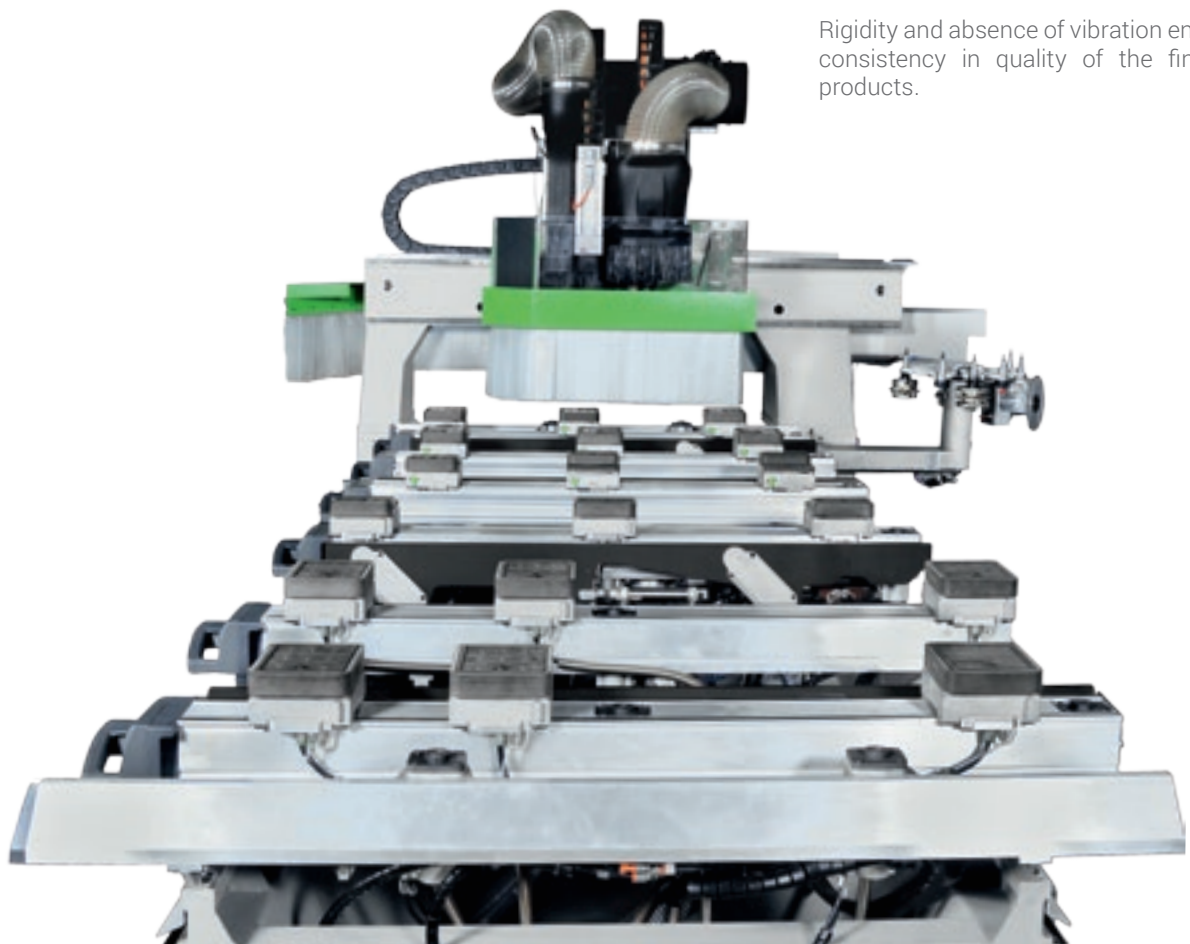


The Gantry structure has been designed to improve the precision and reliability of machining operations.

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

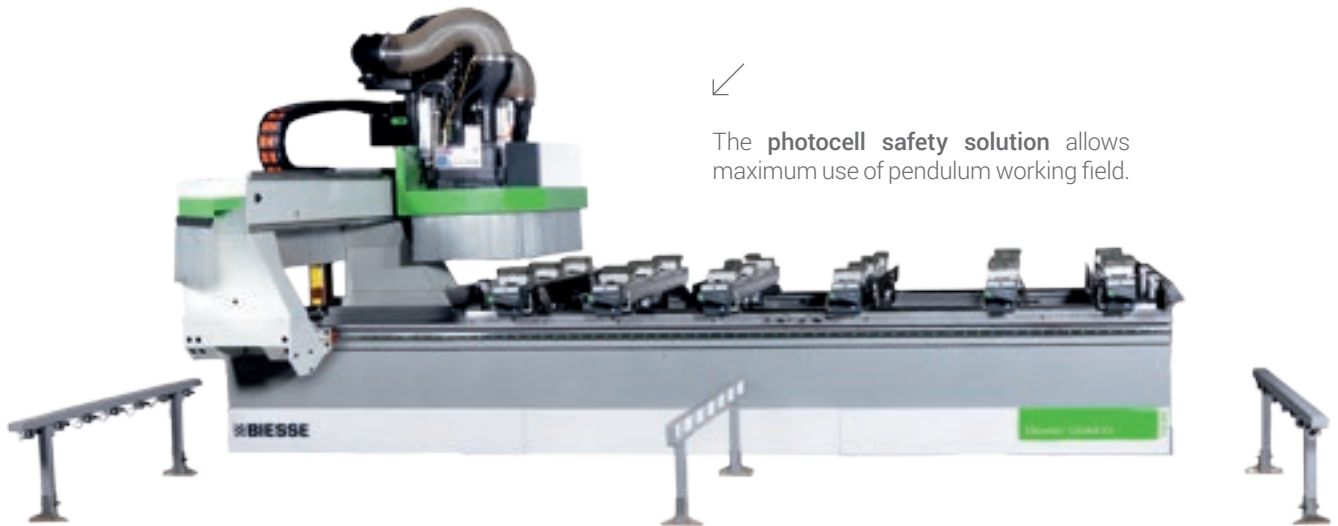


Rigidity and absence of vibration ensures consistency in quality of the finished products.





# MAXIMUM OPERATOR SAFETY



The **photocell safety solution** allows maximum use of pendulum working field.



**Remote control** panel for direct and immediate operator control.



**Side curtain guards** to protect the working unit, which are movable to enable the machine to work at maximum speed in total safety.



PC with Windows real-time operating system and bSolid software interface, including anti-collision system.

# THE MOST ADVANCED TECHNOLOGY CLOSE AT HAND



## BPAD

Wi-Fi control console for performing the key functions required during the preparation of the working area and the tooling of the working units and tool holder warehouses.

The bPad is a valuable tool for supporting teleservicing, courtesy of the camera and bar code reader functions.



## BTOUCH

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 bSuite 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.

**BPAD AND BTOUCH ARE AN OPTIONAL FEATURE WHICH CAN ALSO BE BOUGHT AFTER PURCHASING THE MACHINE, IN ORDER TO IMPROVE THE FUNCTIONALITY AND APPLICATION OF THE TECHNOLOGY AVAILABLE.**

# INDUSTRY 4.0 READY



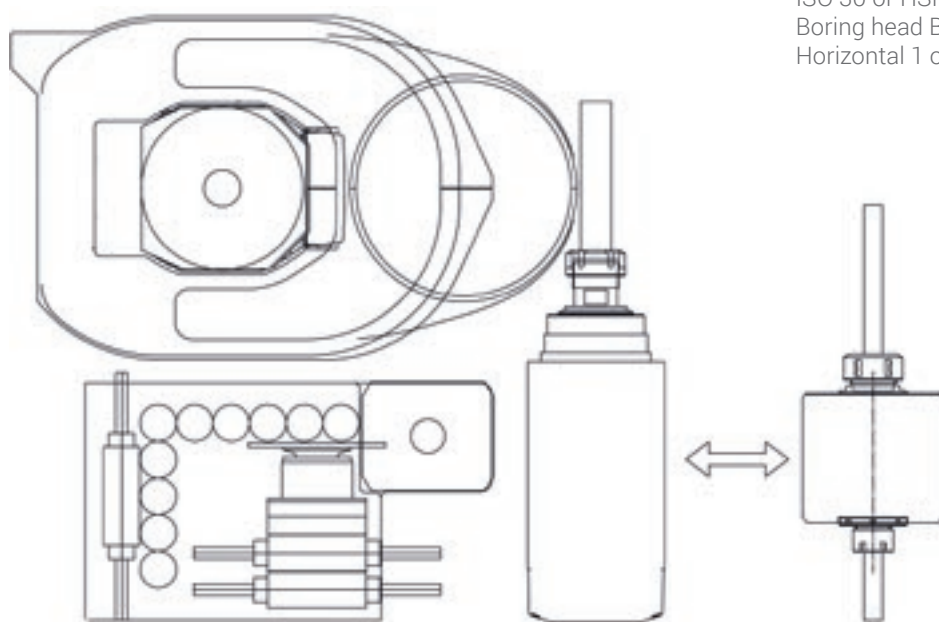
Industry 4.0 is the new industry frontier, based on digital technologies and on machines that speak to companies. The products driving this revolution can communicate and interact independently within production processes, which in turn are connected via intelligent networks.



Biesse is dedicated to transforming the factories owned by our customers into real-time factories that are ready to provide digital manufacturing opportunities. Intelligent machines and software become indispensable tools that facilitate the daily work of those who machine wood and other materials on a daily basis.

INDUSTRY 4.0 READY

# CONFIGURATION



ISO 30 or HSK F63 electrospindle, 13.2 kW.  
Boring head BH17L.  
Horizontal 1 or 2 outlet electrospindles.

## WORKING FIELD

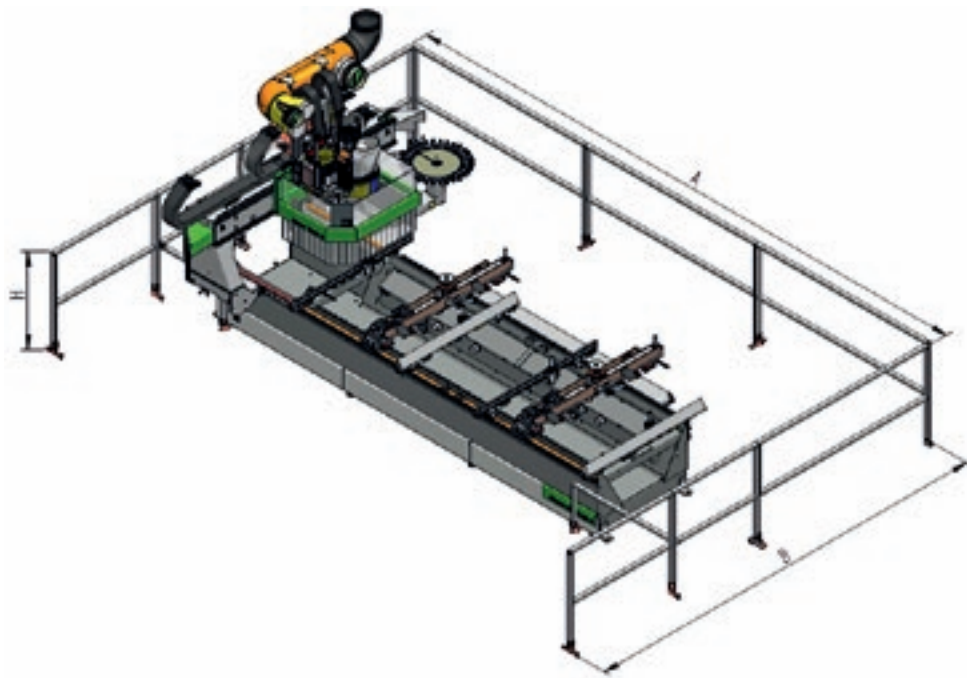
		X	Y	Z
Rover Gold G 1232	mm / inch	3200 / 125.9	1290 / 50.7	165 / 6.4
Rover Gold G 1532	mm / inch	3200 / 125.9	1590 / 62.5	165 / 6.4

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.

# TECHNICAL SPECIFICATIONS



## FOOT PRINT

		A	B	H	H MAX
Rover Gold G 1232	mm / inch	6055 / 238.7	4220 / 166.1	1000 / 39.3	2310 / 90.9
Rover Gold G 1532	mm / inch	6055 / 238.7	4460 / 175.5	1000 / 39.3	2310 / 90.9
Rover Gold G 1232 X / Y / Z axis speed		60 / 60 / 20 m/min - 196.8 / 196.8 / 65.6 m/min			
Rover Gold G 1532 X / Y / Z axis speed		80 / 60 / 20 m/min - 262.4 / 196.8 / 65.6 m/min			

# HIGH-TECH BECOMES ACCESSIBLE AND INTUITIVE

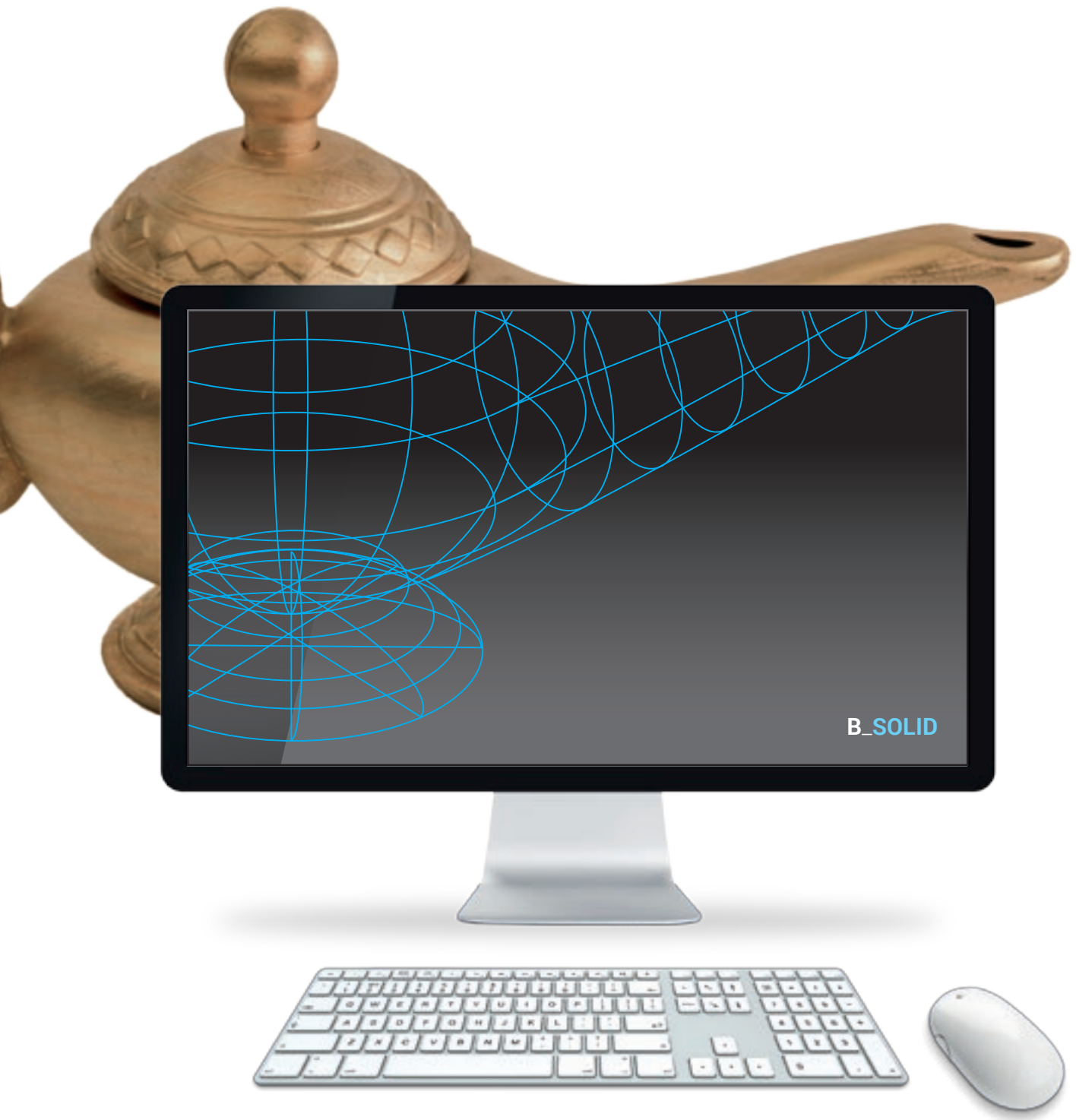


**B\_SOLID IS A 3D CAD CAM SOFTWARE PROGRAM THAT SUPPORTS THE PERFORMANCE OF ANY MACHINING OPERATION THANKS TO VERTICAL MODULES DESIGNED FOR SPECIFIC MANUFACTURING PROCESSES.**

- 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.



# B\_SOLID



# IDEAS TAKE FORM AND SHAPE



**B\_CABINET IS A UNIQUE SOLUTION FOR MANAGING FURNITURE PRODUCTION FROM THE 3D DESIGN PHASE TO PRODUCTION FLOW MONITORING.**

**IT'S NOW POSSIBLE TO PLAN THE DESIGN OF A SPACE AND QUICKLY PASS FROM CREATING THE SINGLE ELEMENTS TO GENERATING PHOTO-REALISTIC CATALOGUE IMAGES, FROM GENERATING TECHNICAL PRINTS TO PRODUCING REQUIREMENT REPORTS, AND ALL IN ONE SINGLE ENVIRONMENT.**

**B\_CABINET FOUR, SUPPLEMENTARY MODULE, MAKES IT EASY TO MANAGE ALL THE WORK PHASES (CUTTING, MILLING, BORING, EDGEBANDING, ASSEMBLY, PACKAGING), JUST WITH A CLICK.**

**B\_CABINET FOUR INCLUDES AN ENVIRONMENT DEDICATED TO THE REAL TIME MONITORING OF THE PROGRESS OF THE PRODUCTION PHASES. THAT MEANS COMPLETE CONTROL OF THE ORDER STATUS, STEP BY STEP, THANKS TO CHARTS AND 3D IMAGES.**



# B\_CABINET



# 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**

# SERV ICE & 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**

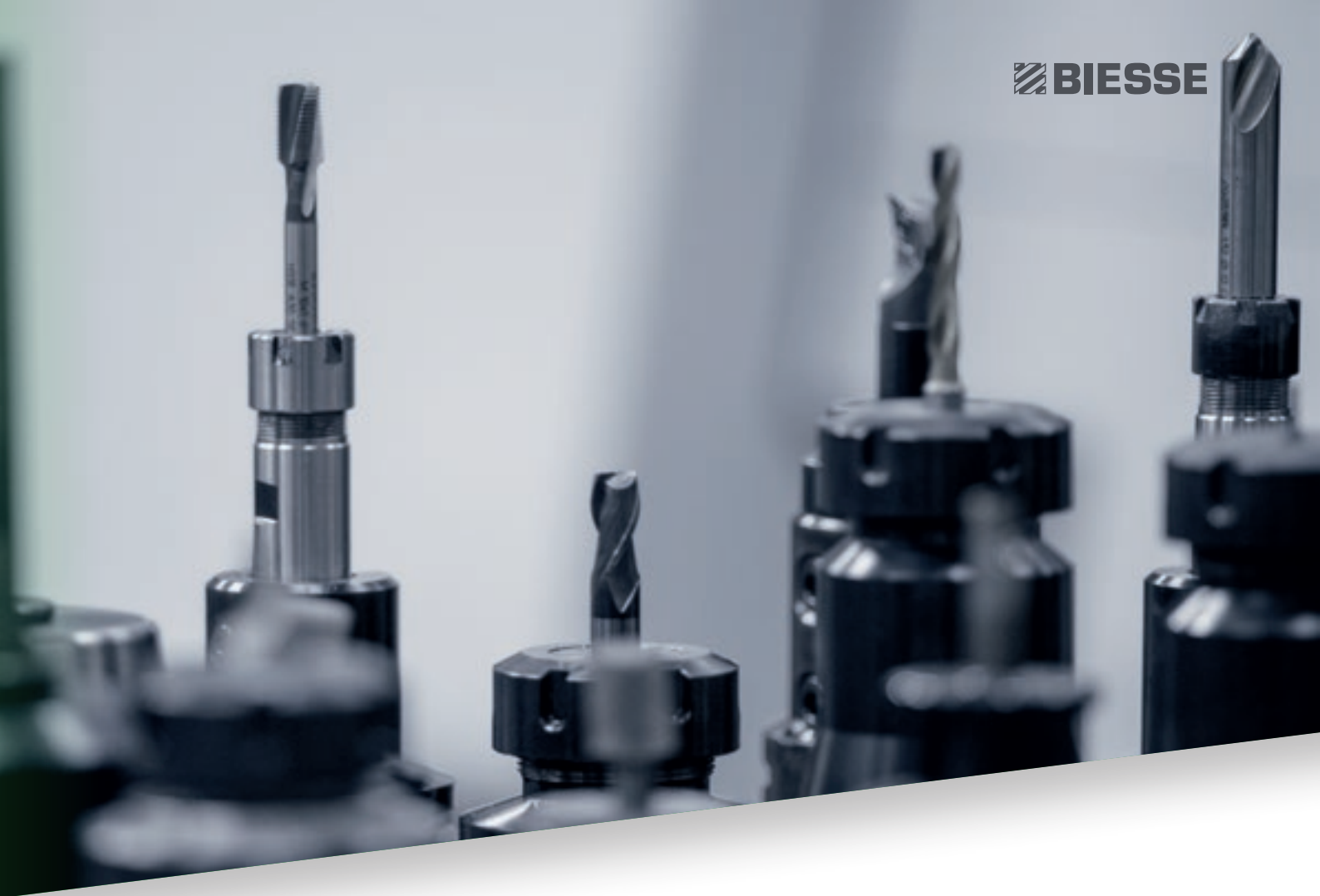
Biesse engineers manning a Teleservice Centre.

**550**

certified Dealer engineers.

**120**

training courses in a variety of languages every year.

A close-up photograph of several metal drill bits and tool components, arranged in a row. The bits are of different sizes and designs, some with standard double-flute and others with more complex, multi-fluted designs. They are set against a blurred background, highlighting their metallic texture and sharp edges.

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 specialized 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 customized 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 fulfillment time optimized thanks to a global distribution network with de-localized, automated warehouses.

**92%**  
of downtime machine orders fulfilled  
within 24 hours.

**96%**  
of orders delivered in full on time.

**100**  
spare part staff in Italy and worldwide.

**500**  
orders processed every day.

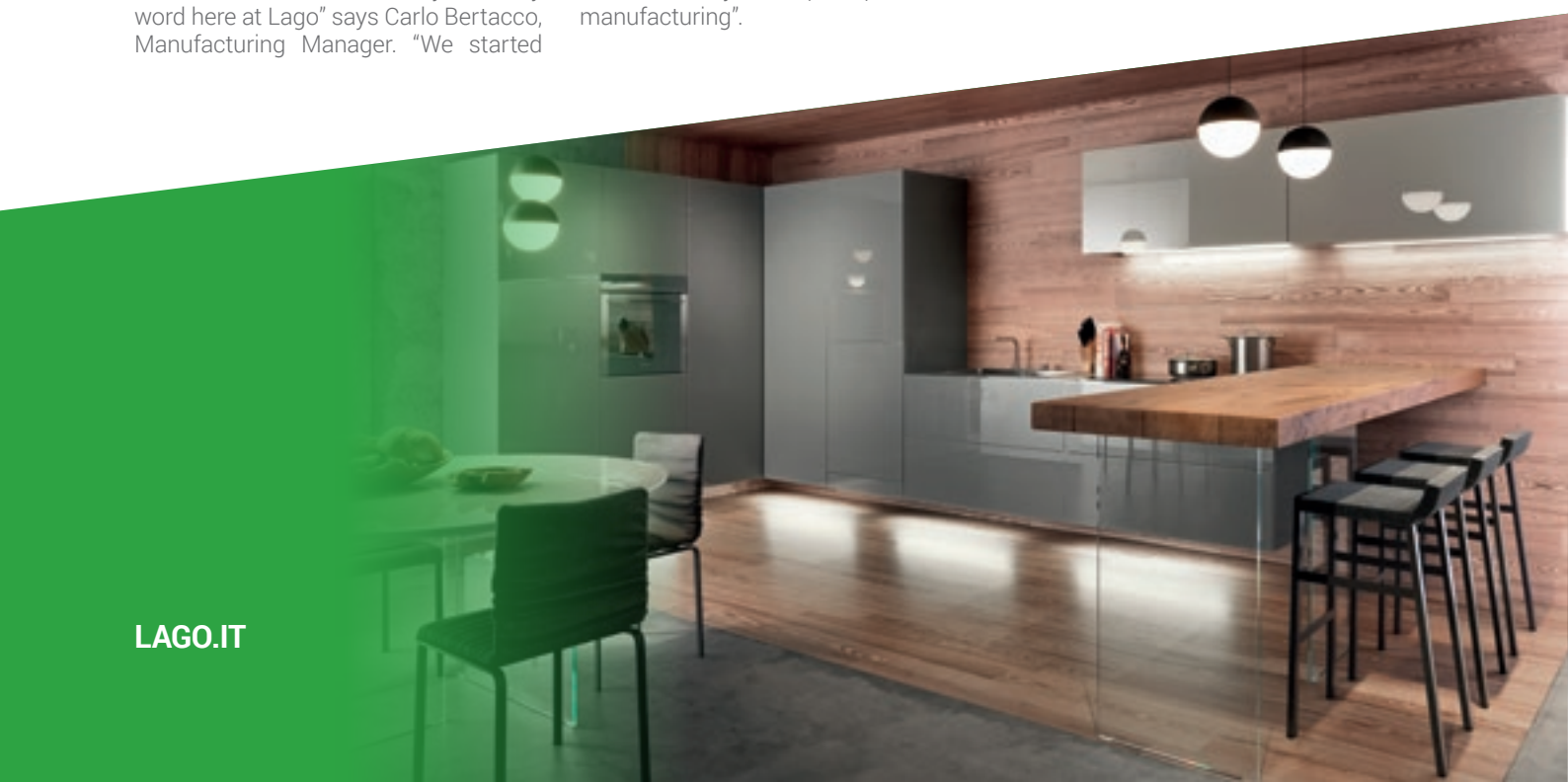
# MADE WITH BIESSE

## 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

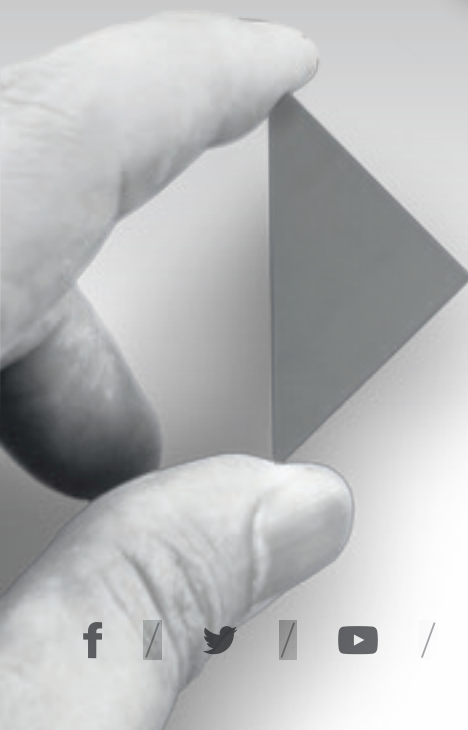
to introduce the concept of processing only outstanding orders, which enabled us to reduce our footprint and empty the site from the very beginning". "The machinery that we purchased - states Bertacco - is great, it entailed a limited investment versus the capabilities it offers and is linked to a specific 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.*



# LIVE THE EXPERIENCE

BIESSEGROUP.COM



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.



