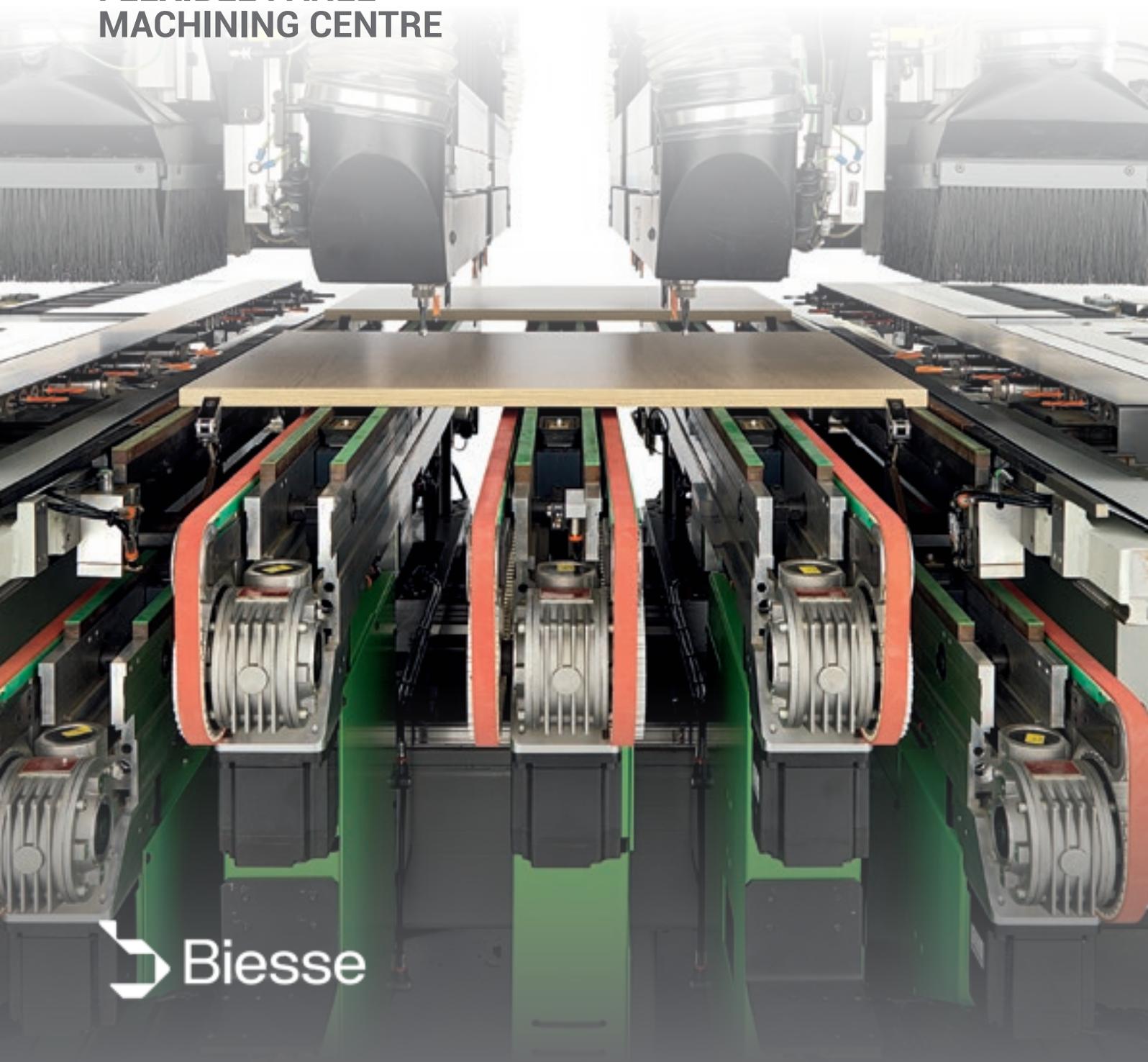
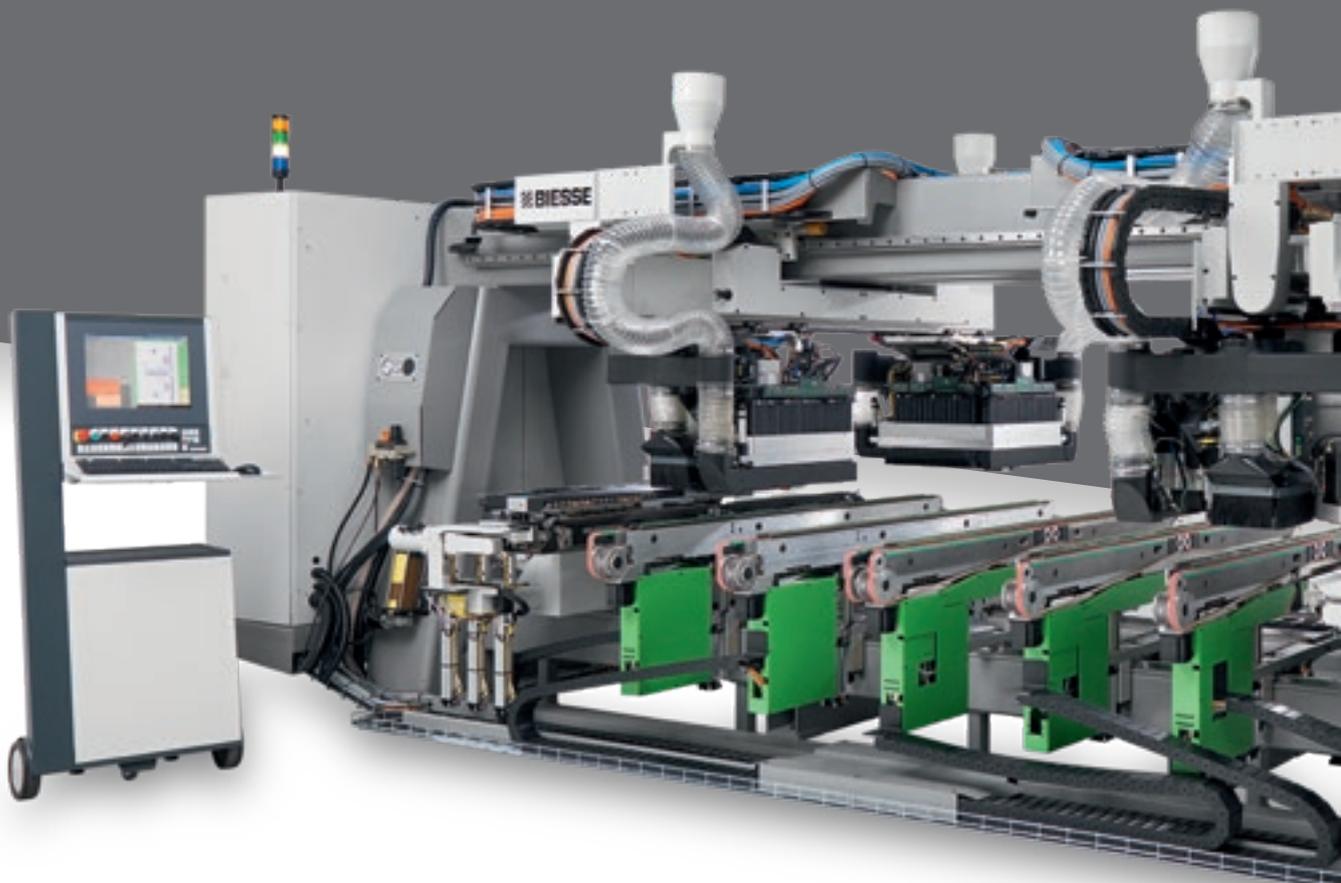


INSIDER FTT

FLEXIBLE PANEL
MACHINING CENTRE



FLEXIBILITY AND PRODUCTIVITY



THE MARKET REQUIRES

a change in production processes to meet the ever growing request for products customised to satisfy the customer's specific needs together with quick, punctual delivery times.

BIESSE RESPONDS

with **technological solutions** able to meet the requirements of companies manufacturing to order, with greatly reduced costs and cycle times.

Insider FTT R8 is the flexible machining centre which combines the high productivity to the capacity of processing small batches in sequence.

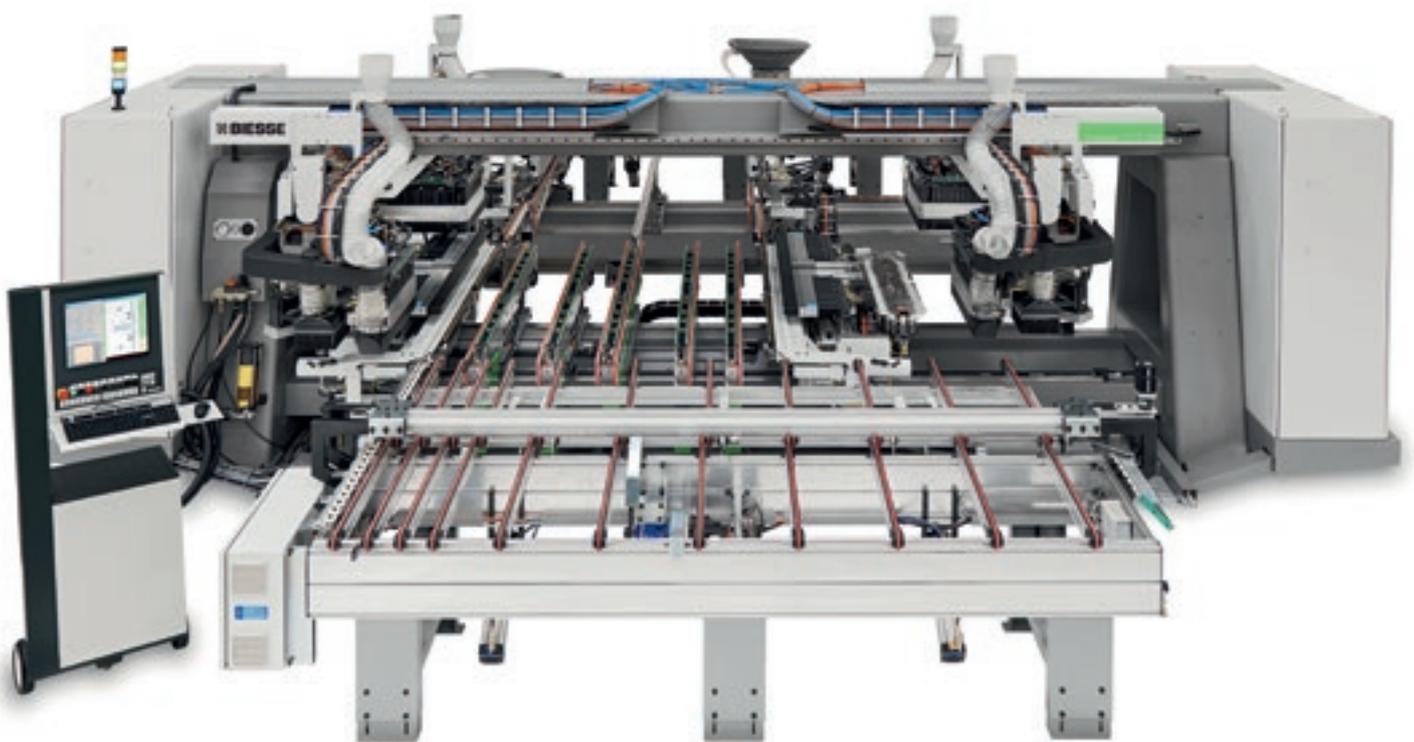


INSIDER FTT R8

- HIGH PERFORMANCE IN SMALL BATCH PRODUCTION
- MORE POWER AND FLEXIBILITY IN THE NEW GENERATION
- SIZE CHANGE IN REAL-TIME.

HIGH PERFORMANCE IN SMALL BATCH PRODUCTION

Insider FTT R8 panel machining centre, equipped with the dowelinserting module RD and both controlled by the same numerical control, combines the high productivity to the capacity of processing small batches in sequence.



Insider FTT R8 automatically adapts to the real panel size, guaranteeing top production efficiency.

- no machine downtime for panel format changes
- zero re-tooling time
- no manual intervention by the operator.

MORE POWER AND FLEXIBILITY

MANAGEMENT OF THE DIMENSIONAL ERRORS

Insider FTT R8 adjusts the dimensional errors measuring the panel length and width and correcting in real time the positions of the machining operations.

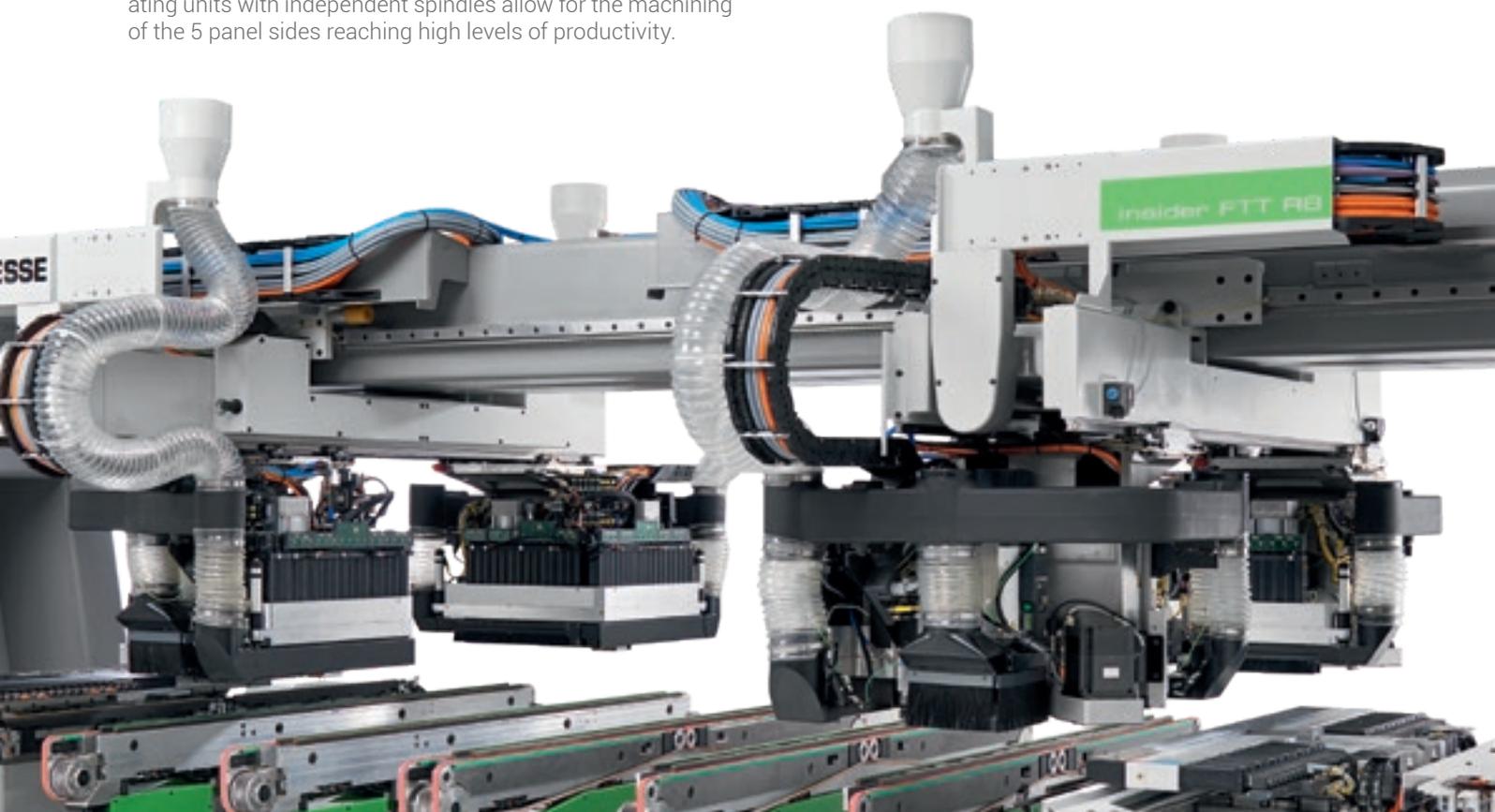
SIZE CHANGE IN REAL-TIME

Machine set-up when changing the panel size is fully automatic:

- ▣ the drilling pattern automatic change on the spindles of the vertical operating units allows for immediate tooling without errors;
- ▣ the brushless motorizations on the working tables and on the belts guarantee precise and quick positioning.

POWER

The four vertical operating units and the four horizontal operating units with independent spindles allow for the machining of the 5 panel sides reaching high levels of productivity.



THE TECHNOLOGY OF THE NEW HORIZONTAL UNITS

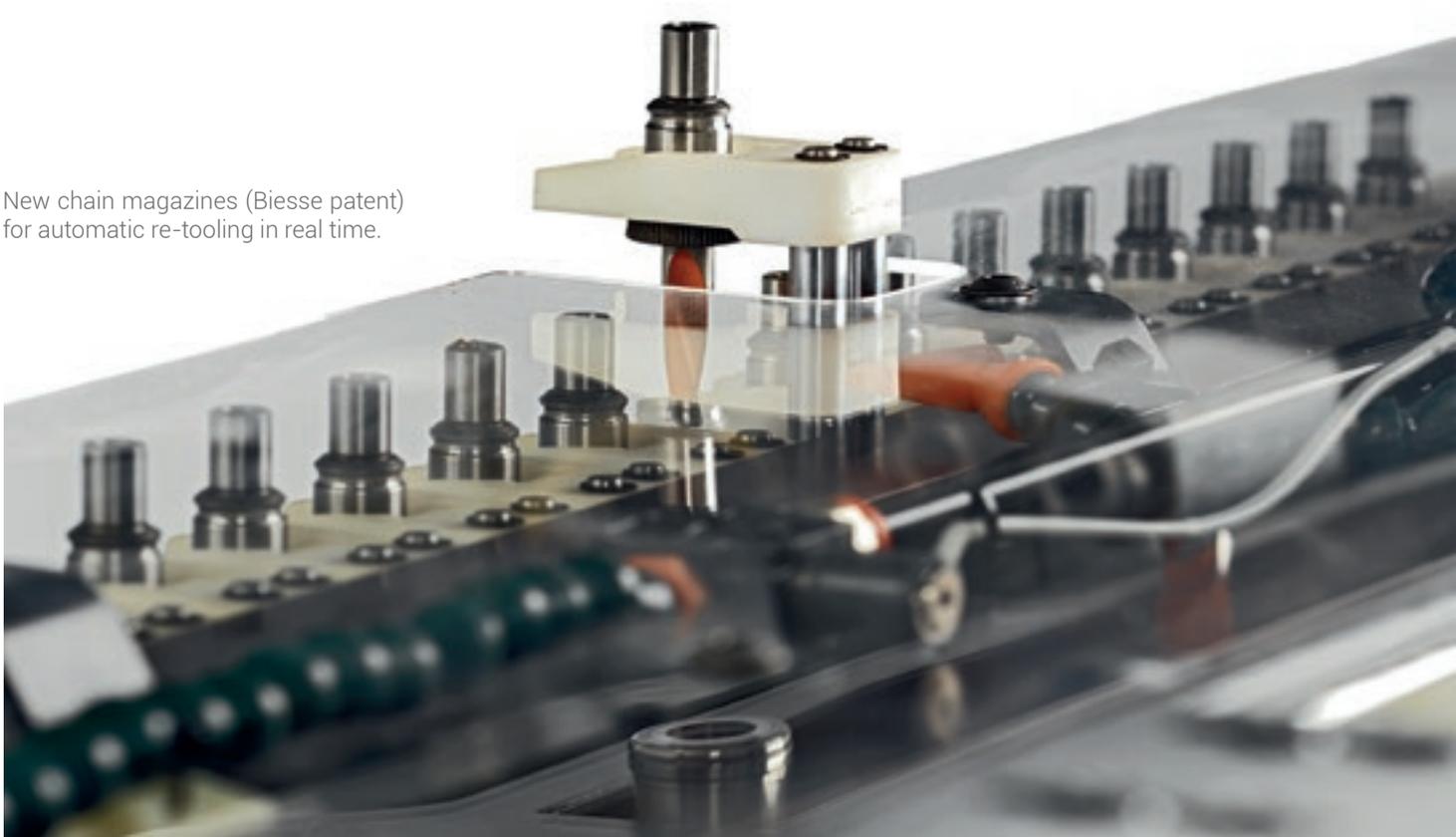


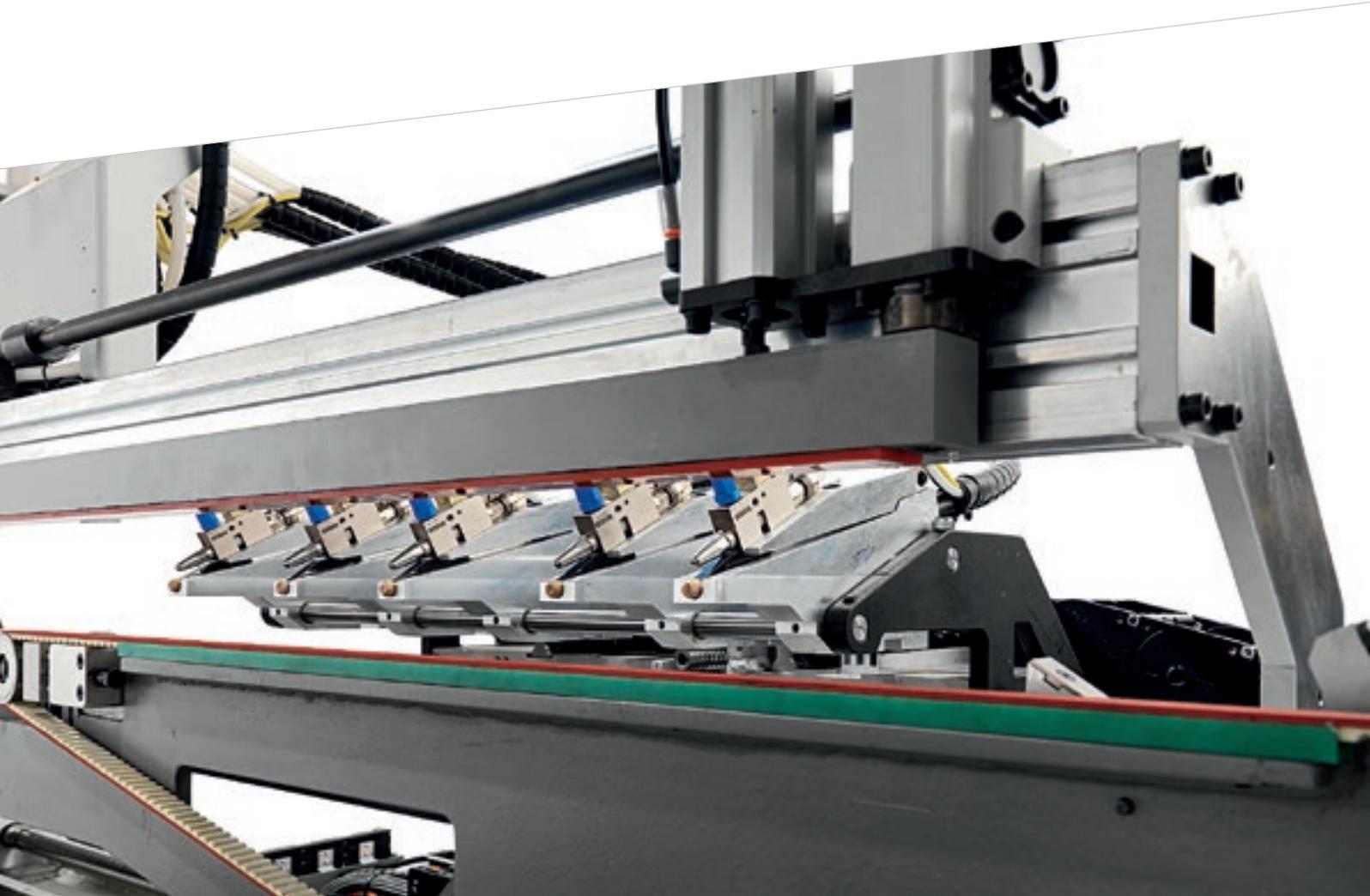
BH18 HORIZONTAL OPERATING UNITS WITH INDEPENDENT SPINDLES:

- wide working field in the horizontal boring through 18+18 spindles available in the processing of two panels;
- brushless motorizations for high working performances;
- spindles with quick-change system for easy and quick tooling.

The panel side reference system with automatic lowering guides and the clamping system through vacuum allow for the vertical and horizontal working by the panel edges without manual operations by the operator. Automatic pre-positioning of the motorized front pushers when changing the panel size.

New chain magazines (Biesse patent) for automatic re-tooling in real time.



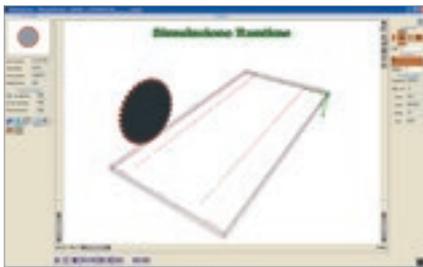


MODULE FOR RD DOWEL INSERTION

THE IN-LINE CNC PANEL MACHINING CENTRE FOR DOWEL INSERTION IS EQUIPPED WITH:

- 5+5 units for dowel insertion and glue injection that can be positioned at distance between centres multiple of 32 mm;
- automatic positioning, upon machine set-up, of each injector on the corresponding carriage;
- automatic dowel selection and feeding system;
- high pressure glue injection system for the maximum inserting efficiency;
- reliable panel clamping through vertical pressing bars;
- independent panel feeding in two working areas;
- brushless motorizations for high working performances.

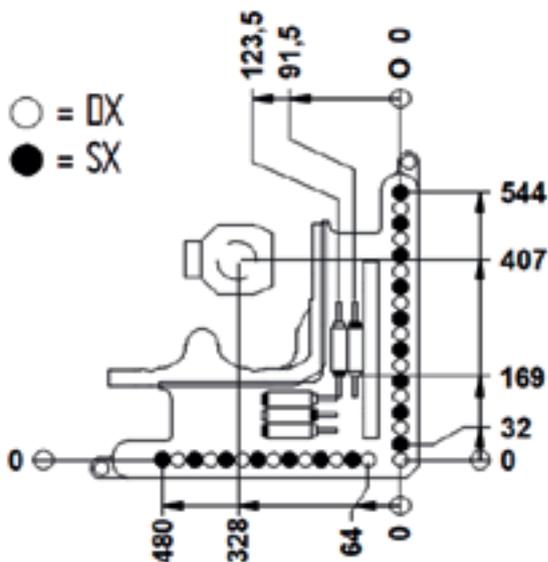
USER-FRIENDLY



An extremely powerful yet user-friendly operator interface that allows quick decisions and automatically optimises the cycle on the basis of the tools available, to minimise work times.

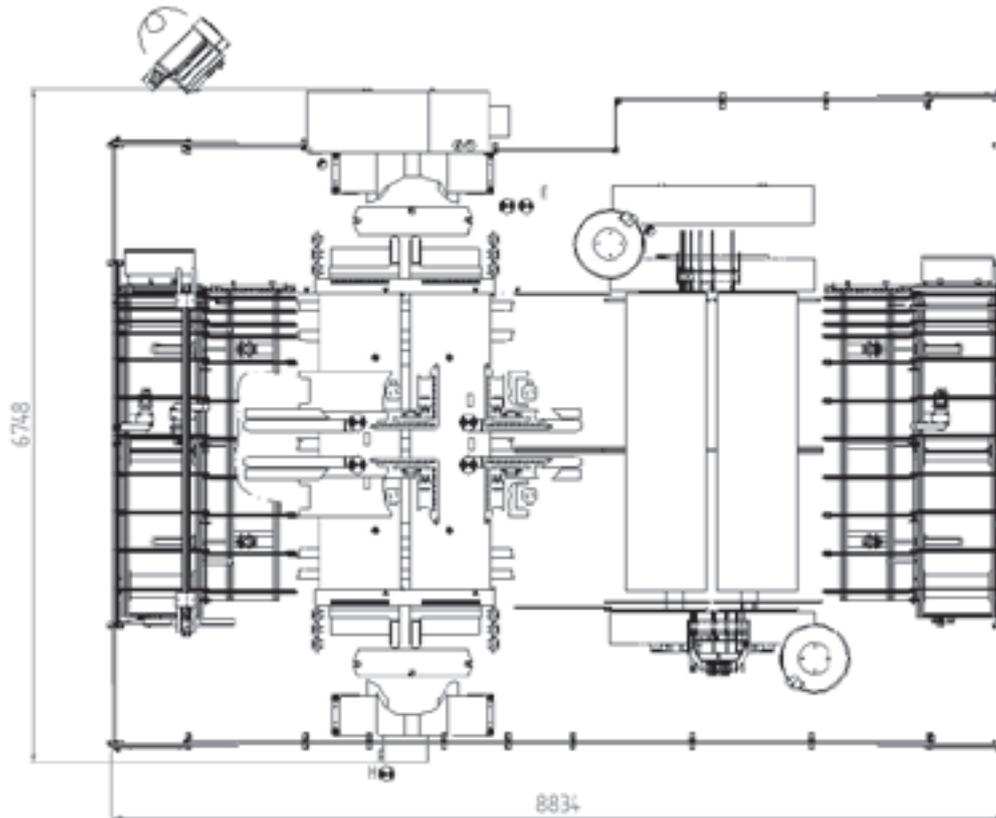
BieseWorks is the system for programming Biese machines, combining high performance with remarkable ease of use. The interface can be customised to meet to user requirements.

WORKING UNIT CONFIGURATION



Boring head BH18

TECHNICAL DATA



INSIDER FTT R8

Panel dimensions length	mm - inch	240 / 3100 - 9.4 / 122
Width, two panels	mm - inch	140 / 800 - 5.5 / 31.5
Width, one panel	mm - inch	140 / 1550 - 5.5 / 61
Thickness	mm - inch	12 / 60 - 0.5 / 2.4
Boring spindle rotation speed (variable, commanded via the inverter)	rpm/min	4000
Operating units	n.	4
Spindles for vertical boring	n.	32*4
Spindles for horizontal boring in dir. Y ±	n.	4*4
Chain tool magazine	n.	2*59
Spindles for horizontal boring in dir. X ±	n.	18*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.

Surface sound pressure level during machining in A (Lp(A)): 81 dB(A). Sound power level during machining in A (LwA): 104 dB(A). Measurement uncertainty K: 4 dB(A).

Tests were carried out in accordance with Regulations UNI EN 1218-4:2009, UNI EN ISO 3746: 2009 (sound pressure) and UNI EN ISO 11202: 2009 (sound pressure in the operator's working position) with run of panels. The noise levels given here are emission levels and do not necessarily represent safe working levels. Although there is a relationship between output levels and exposure levels, the output levels cannot be reliably used to determine whether additional precautions are necessary or not. The factors determining the noise levels to which the operative personnel is exposed, include the length of exposure, the characteristics of the work area, as well as other sources of dust and noise (i.e. the number of machines and processes concurrently operating in the vicinity), etc. In any case, the information supplied will help the user of the machine to better assess the danger and the risks involved.

INDUSTRY 4.0 READY



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's commitment is to transform our customers' factories with real-time technology, ready to guarantee digital manufacturing opportunities, with smart machines and software packages becoming vital tools that facilitate the daily tasks of people all over the world processing glass, stone, metal and more. Our philosophy is a practical one: to supply entrepreneurs with solid data that can help them to lower their costs, optimise their processes and improve their results.

And that means being 4.0 ready.

MADE WITH BIESSE

ITALY AS A BYWORD FOR DESIGN AND INNOVATION

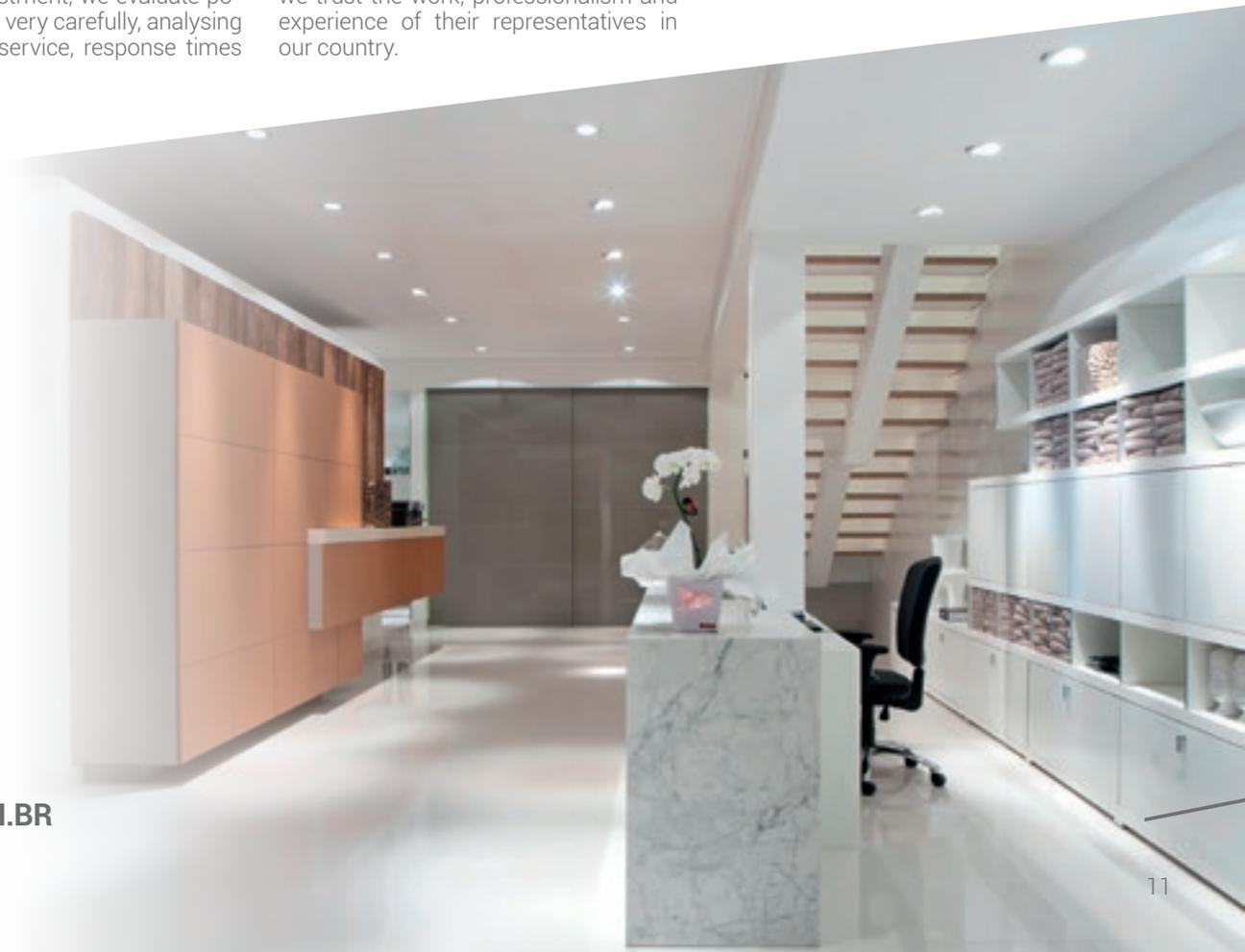
One of Brazil's most famous furniture brands, SCA's core business is the manufacturing of furniture for corporates, large offices and the hospitality and maritime contract segments. Approximately 70 shops in Brazil and 6 abroad.

"Italy leads the way in design and innovation. For us, it is also a reference point as far as technology is concerned. Before making an investment, we evaluate potential suppliers very carefully, analysing their technical service, response times

and accessibility in our country of origin. I am not going to deny that we looked at other company's offers, but we chose an Italian supplier because Biesse has always provided us with a level of service and consultancy that is fully aligned with our needs".

Today Biesse is our best technical partner. We trust them very much, just like we trust the work, professionalism and experience of their representatives in our country.

Source: excerpt from an interview with the Chief Executive Officer of Sca Indústria de Móveis, Claudio Manfro



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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.



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AN EXCELLENT LEVEL OF SERVICE

+550

HIGHLY SPECIALISED
TECHNICIANS AROUND
THE WORLD, READY TO HELP
CUSTOMERS WITH EVERY
NEED

90%

OF MACHINE DOWN CASES
WITH RESPONSE TIME
UNDER 1 HOUR

+100

EXPERTS IN DIRECT
CONTACT THROUGH
REMOTE CONNECTIONS
AND TELESERVICE

92%

OF SPARE PARTS ORDERS
FOR MACHINE DOWNTIME
PROCESSED WITHIN 24
HOURS

+50.000

ITEMS IN STOCK IN THE
SPARE PARTS WAREHOUSES

+5.000

PREVENTIVE MAINTENANCE
VISITS

80%

OF SUPPORT REQUESTS
SOLVED ONLINE

96%

OF SPARE PARTS ORDERS
DELIVERED IN FULL ON TIME

88%

OF CASES SOLVED WITH
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to make the process
of any material



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g process
potential
I shine.

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Thanks to our rooted competence nurtured by an ever-growing worldwide network, we support your business evolution – empowering your imagination.

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