

B_A AVANT



SOFTWARE FOR THE INTEGRATED
AND EFFICIENT MANAGEMENT
OF PRODUCTION PLANTS



 **BIESSE**

THE SUPERVISORY SYSTEM FOR EFFICIENT PRODUCTION

THE MARKET DEMANDS

technologies that enable evolution, through a process of change which simplifies, controls and optimizes each stage of production. Taking a leading role in the Industry 4.0 revolution means knowing how to achieve maximum efficiency.

BIESSE RESPONDS

with solutions for both small and large companies in the sector that wish to their factories, improving their flexibility and competitiveness. Tools that ensure constant control over the manufacturing process, via a real-time reporting system.

'B_AVANT

is the software for the integrated and efficient management of all production flows, in line with machining requirements. Each panel/ batch is tracked, and can be easily traced at any time.





+36%

REDUCTION IN SET-UP TIMES.

+12%

REDUCTION IN MACHINE DOWNTIME.

+4%

REDUCTION IN WASTE.

+23%

INCREASE IN PRODUCTIVITY.

- ✔ SOFTWARE CUSTOMIZATION.
- ✔ INTEGRATION WITH PRE-EXISTING SOFTWARE AND MANAGEMENT SYSTEMS.
- ✔ FUNCTIONAL COMPLETENESS.
- ✔ FAST INFORMATION SHARING.



SOFTWARE CUSTOMIZATION

The features of B_AVANT are customised in accordance with production needs. A team of experts identifies the requirements of the customer and transforms these into software features.



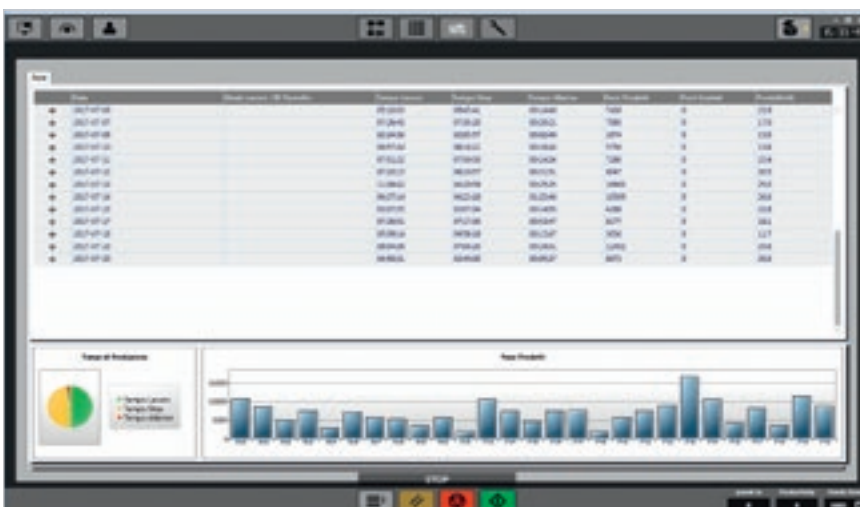
FULL INTEGRATION WITH THE MANAGEMENT SYSTEM

B_AVANT integrates perfectly with pre-existing design management systems and software, establishing a two-way data flow:

- ✓ from management/ cad-cam processes to production,
- ✓ from production back to the management system.



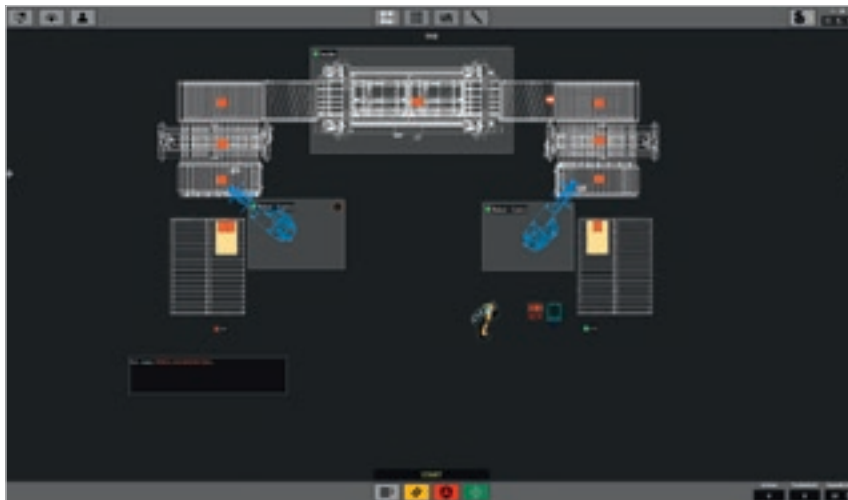
↙ In the pre-production phase, the supervisor imports the production data from the management system or design software to create the production cycle.



↙ In the post-production phase, the supervisor then enters statistics regarding production performance into the management system, specifying what exactly has been produced, and the time taken in order to achieve this.

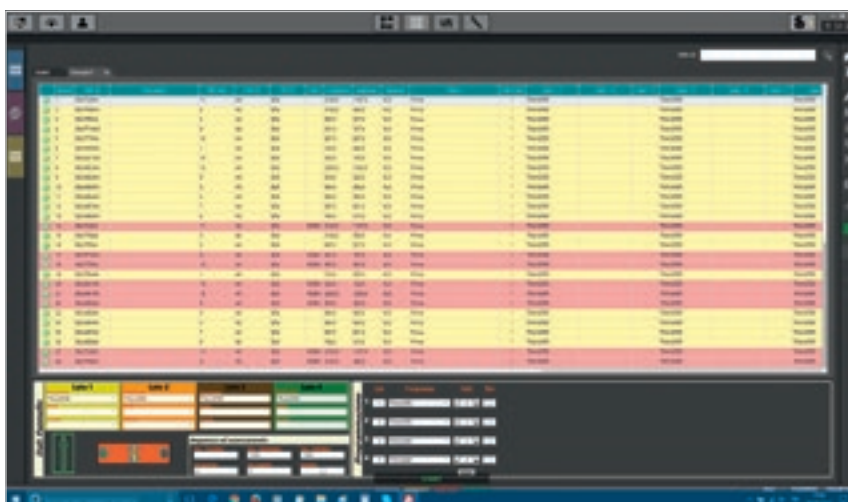
FUNCTIONAL COMPLETENESS

B_AVANT is equipped with a range of features that allow for improvements in current production performance, enabling manufacturers to achieve new goals for the future.



Synoptic view

Overview of production as a whole.

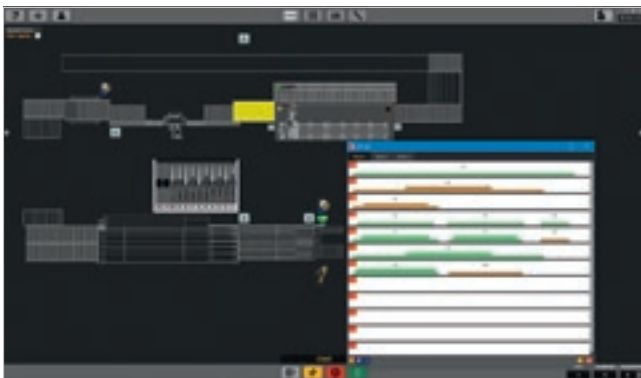


Management of production cycles

Import, adjustment and implementation of the machining operation program.

CONTROL OVER THE PRODUCTION PROCESS

The production program changes in accordance with the characteristics of the piece to be machined.



Optimized set-up of stock flows.



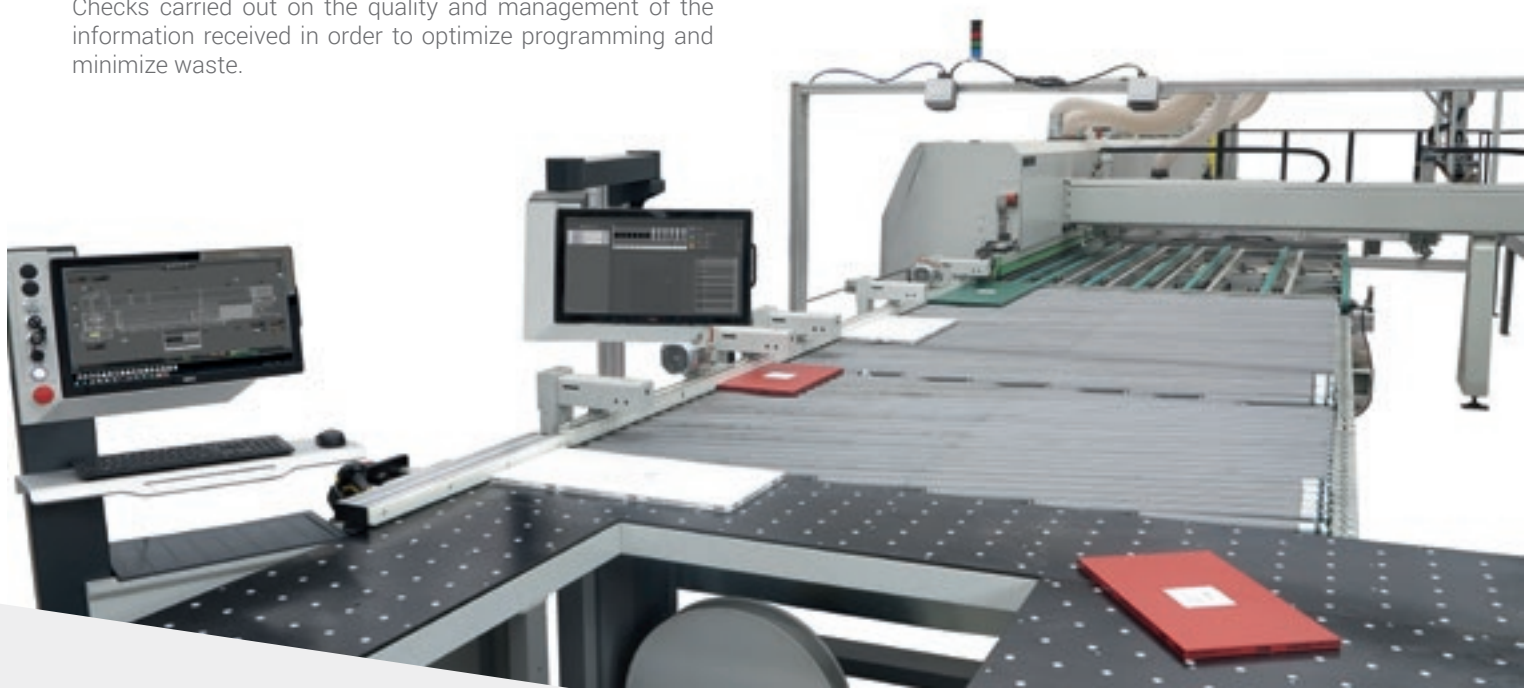
Cascading program synchronization in accordance with the work piece to be machined, preventing empty lines.



Checks carried out on the quality and management of the information received in order to optimize programming and minimize waste.



Work pieces are tracked and recognized via labels and bar codes.



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

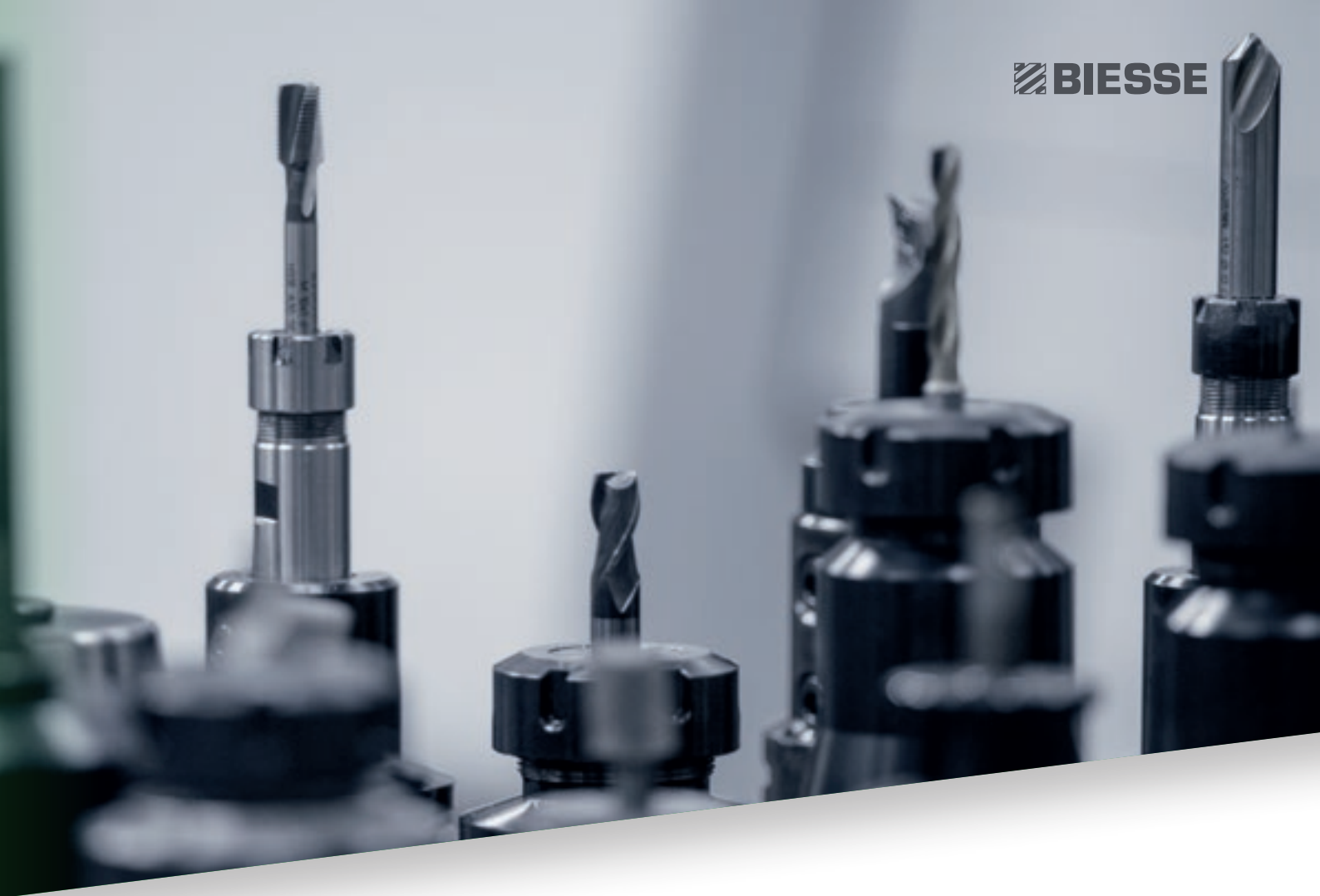
Biesse engineers manning a Teleservice Centre.

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 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

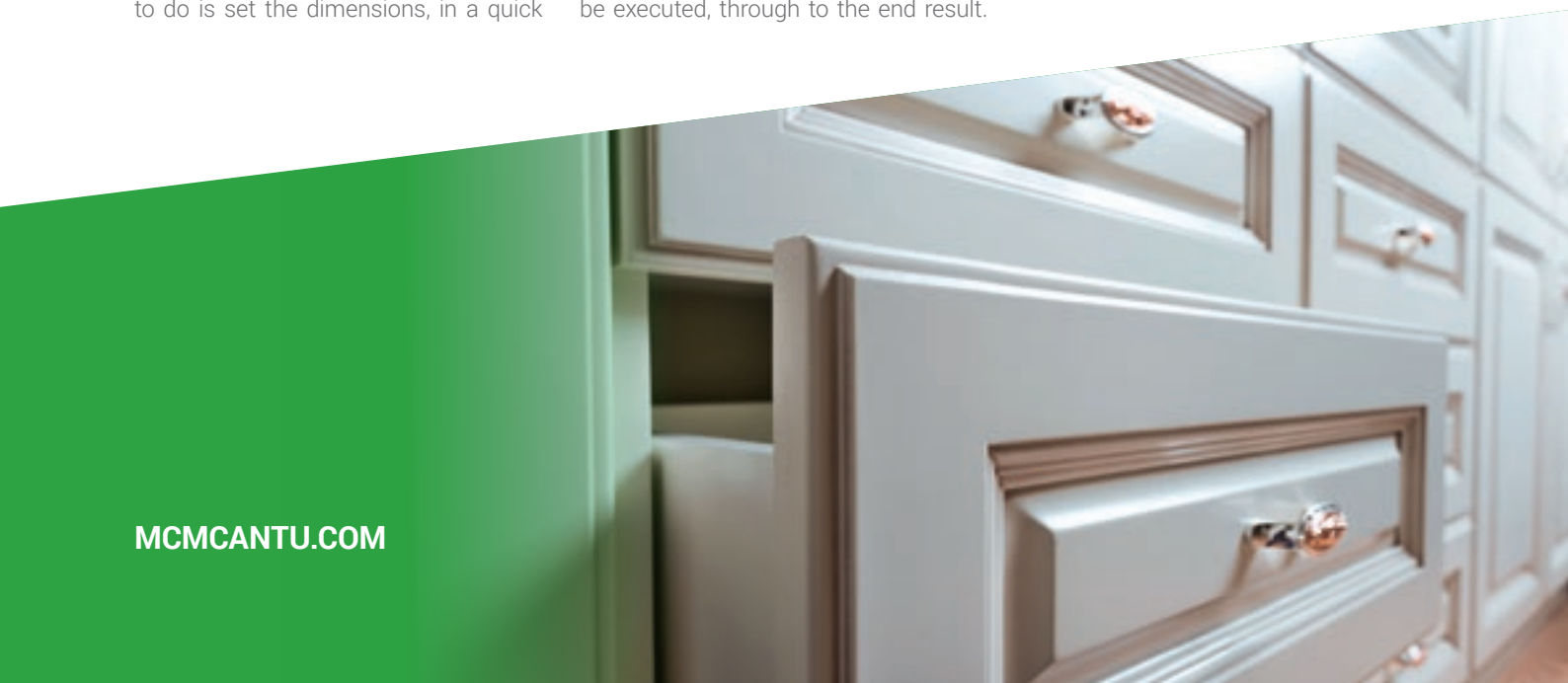
REDUCED COST AND PROCESSING TIMES, GREATER BENEFITS AND COMPETITIVENESS.

"Biesse has always been a reference point for us," states Mirco Molteni "we have always worked extremely closely with them so that they could be very familiar with end user requirements, and be almost like another tool for us. Now we have become self-sufficient even for complex processes. We manufacture custom pieces and, thanks to bSolid's user-friendliness, we can turn them around within very short time lines. It is so convenient that we are gradually moving more and more processes - even simple ones - on the centre equipped with bSolid. We can complete a drawing's development process and move on to production within one hour, which is something we only used to be able to do in a day. bSolid is intuitive, parametric, more powerful and versatile, particularly for surfaces. With bSolid all you need to do is set the dimensions, in a quick

and easy way, follow the instructions and then the work piece is visualised on the screen, together with all operations needed to process it. Once the drawing is in the system, bSolid automatically programs all necessary processing operations, down to specifying which tool to use. And if I have designed a complex piece and realize that I have made a mistake, I don't have to start again from scratch: all I need to do is insert the necessary changes and... job done! The new Biesse software goes through a verification stage and suggests a 3-D simulation, highlighting any problems, of any type, also thanks to the anti-collision system. In short, an operator can program the component to be manufactured in just a few, easy steps, verifying tool paths, identifying the most suitable tool and seeing how tool changes will be executed, through to the end result.

At this point, he/she can start real production with no risks! Working together with Biesse to make sure that this software program takes into account the requirements and way of thinking of us furniture manufacturers was a fantastic opportunity", stresses Mr. Molteni. "I think they have managed to understand our needs and have created a tool that is very sophisticated and yet easy to use, capable of making even the most traditional joiners feel at ease....".

Source: XYLON September-October 2013 MCM, a customer of ours since 1992, the company is one of the leading producers of high-end custom furniture.



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.**



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