B_SUITE

HIGHLY TECHNOLOGICAL, ADVANCED SOFTWARE SOLUTIONS

B_S

B_E

B_N

B_W

B_D

50 YEARS

BIESSEGROUP

BIESSE

A SINGLE, INTEGRATED SOFTWARE SOLUTION

B_S B_E B_N B_W B_D

A single platform to manage all machine processes.

B_SOLID

B_EDGE

B_NEST

THE MARKET REQUIRES

user-friendly software solutions for woodworking and advanced material processing machines that can be used by all operators without the need for special IT skills.

BIESSE MEETS

these requirements by developing **software solutions** around our customers' day-to-day operations, with user-friendly and intuitive interfaces. **B_SUITE** is a complete suite of advanced software tools, giving users access to cutting edge technology. If software is the only limitation to a machine's capabilities, then bSuite offers endless possibilities.

B_WINDOWS

B_DOORS

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.

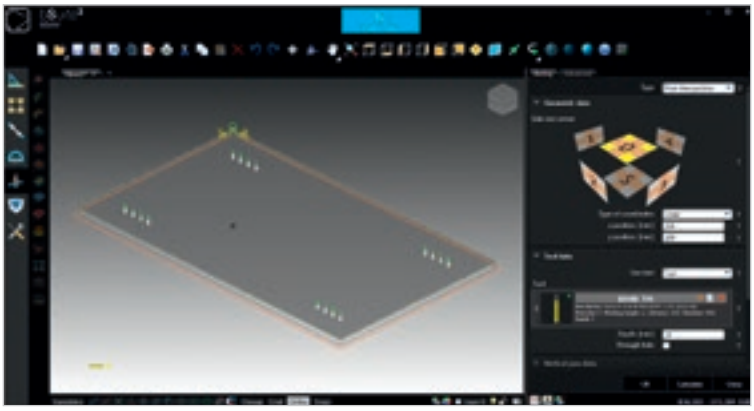
- Planning in just a few clicks.
- Simulating machining operations to visualise the piece ahead of manufacturing and have some guidance for the planning phase.
- Virtual prototyping of the piece to avoid collisions and ensure optimal machine equipment.
- Machining operation simulation with a calculation of the execution time.


B_SOLID

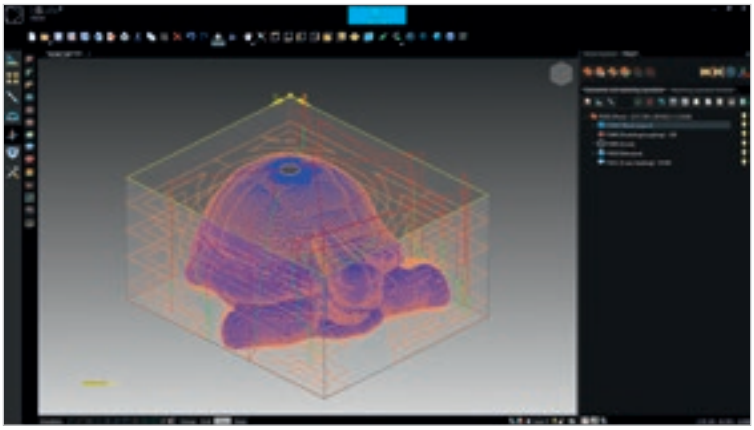
PLANNING
IN JUST A FEW CLICKS

Importing or drawing any type of project (2D and 3D), from the easiest to the most complex, thanks to a unique design system.

Thanks to the integration of a new learning system, the software enables users to access sophisticated functionalities. The user only needs to set the dimensions and then - with a simple click - can visualise the product to be processed on a screen, together with all the operations needed to manufacture it.

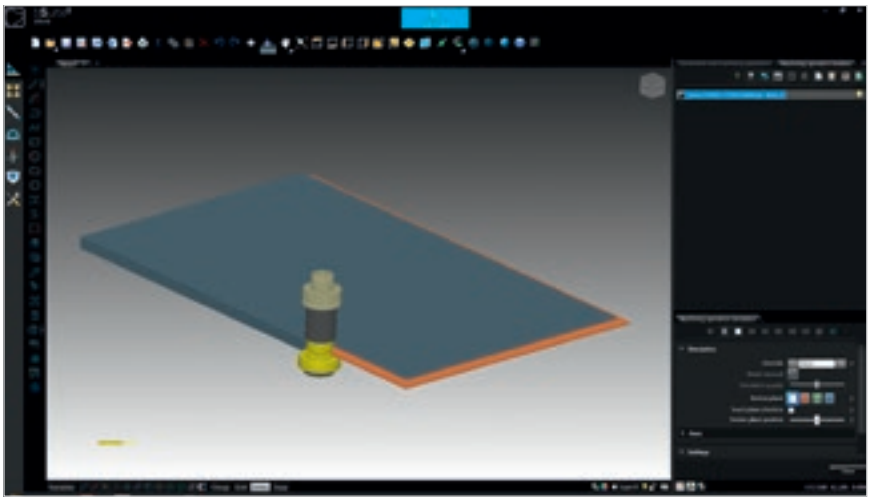


Parametric software
Adapts automatically to the various piece dimensions.



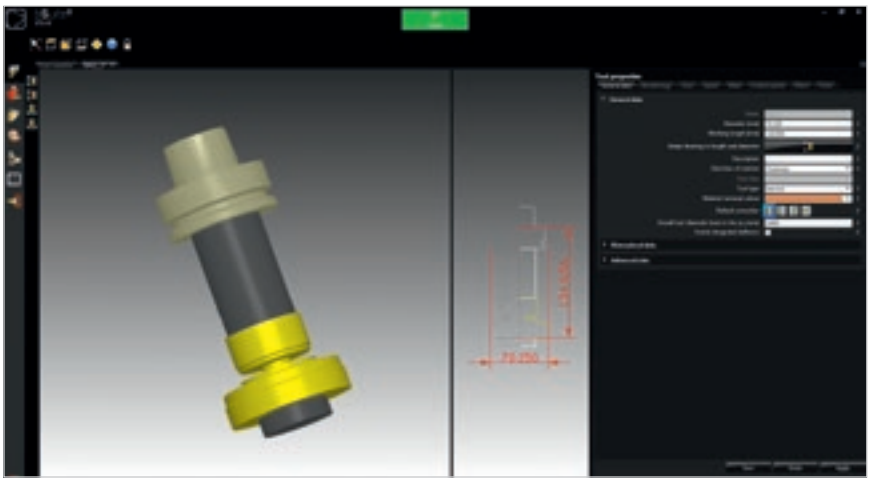
Machining of complex 3D shapes with user-friendly functions.

SIMULATING MACHINING OPERATIONS TO VISUALISE THE COMPONENT PRIOR TO MANUFACTURING



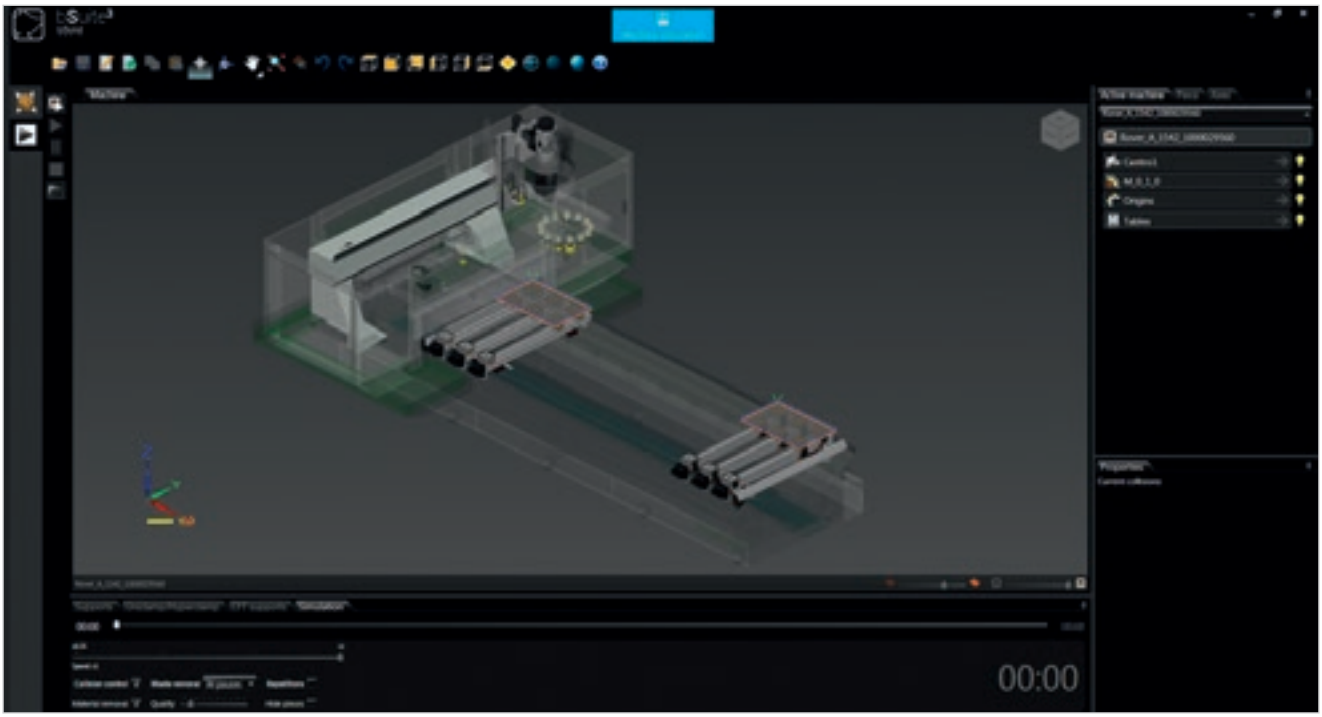
B_SOLID enables the user to verify the project through rapid and effective 3D simulation that supports:

- verification of the accuracy of the tool path;
- immediate, intuitive check of the machining operations and the effect of the tools on the piece;
- modifying and checking the project before machining.

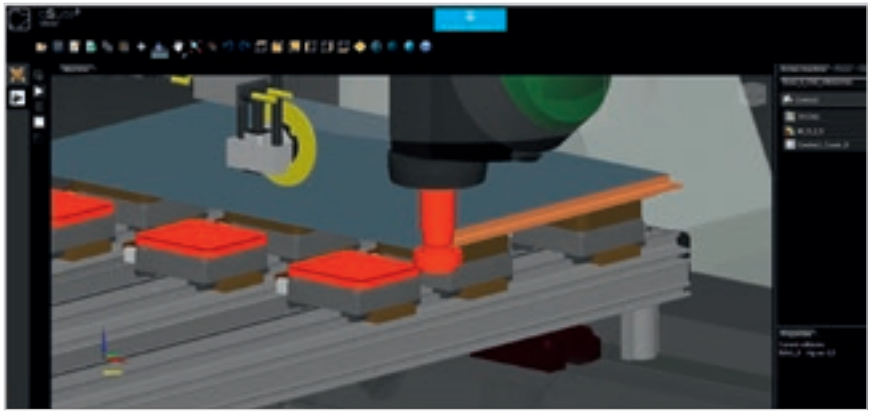


The tool management module offers the possibility to create and modify milling cutters, blades and boring bits to suit the customer's needs.

VIRTUAL PROTOTYPING OF THE COMPONENT

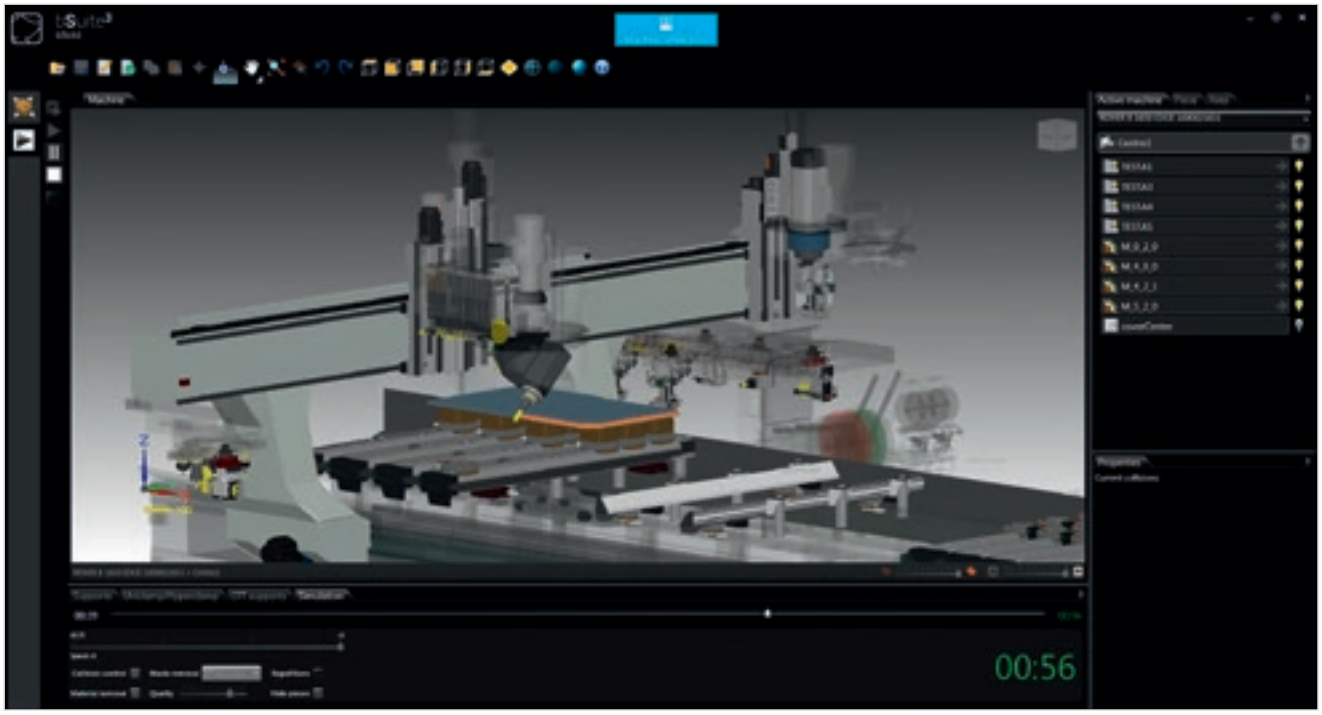


B_SOLID makes the customer's machine available in a virtual environment, complete with its components and the NC axis movement kinematics.



Thanks to the collision check, any interference between machine parts can be verified directly from the office, so potential errors can be prevented or corrected

CALCULATION OF THE TIME NEEDED TO CARRY OUT ALL THE MACHINING OPERATIONS



Simulation is not only handy when it comes to checking or preventing collisions; it also enables a calculation of the time needed to carry out all the machining operations, thereby facilitating the factory logistics system.

The tool magazine and spindles can be tooled with a simple drag and drop.

SIMPLIFYING EDGEBANDING PROGRAMMING

B_E

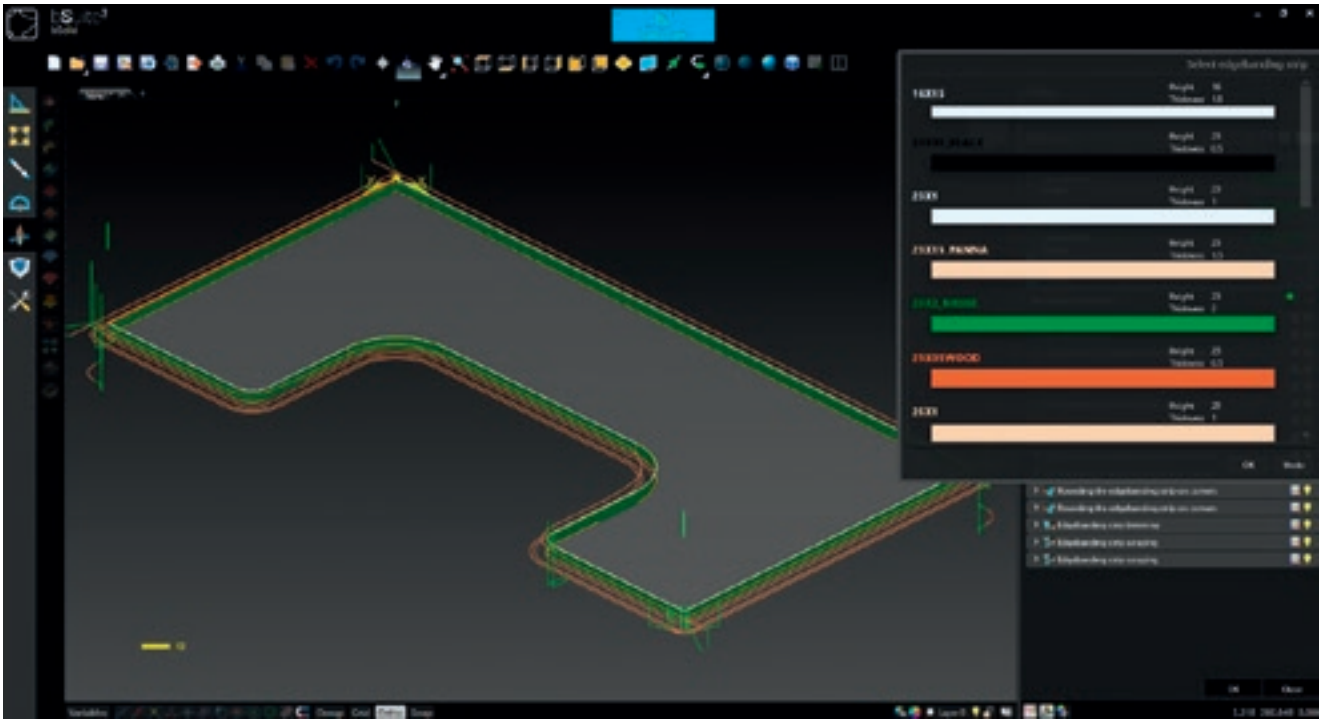
B_EDGE IS AN ADDITIONAL MODULE INTEGRATED IN B_SUITE. MAKING FULL USE OF THE CAPACITIES OF THE SUITE, B_EDGE SIMPLIFIES THE PROGRAMMING OF THE EDGEBANDING PROCESS.

- Automatic generation of the edgebanding operation sequence.
- Easy to understand and operate.
- Simplified management of edgebanding strips and edgebanding devices

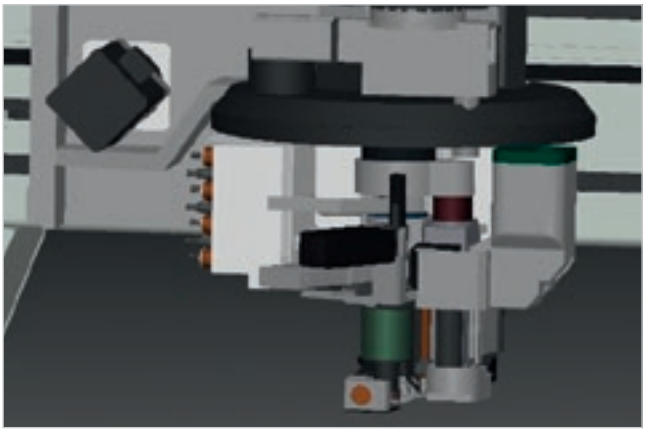

B_EDGE

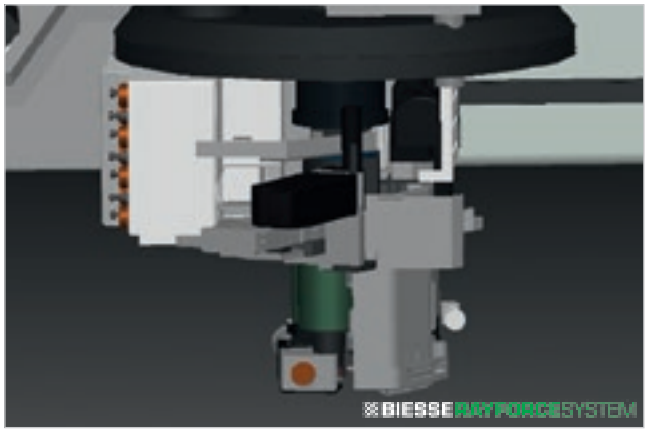
AUTOMATIC EDGEBANDING OPERATION SEQUENCE

B_EDGE reduces design times, allowing the edgebanding operation to be programmed in just a few steps.

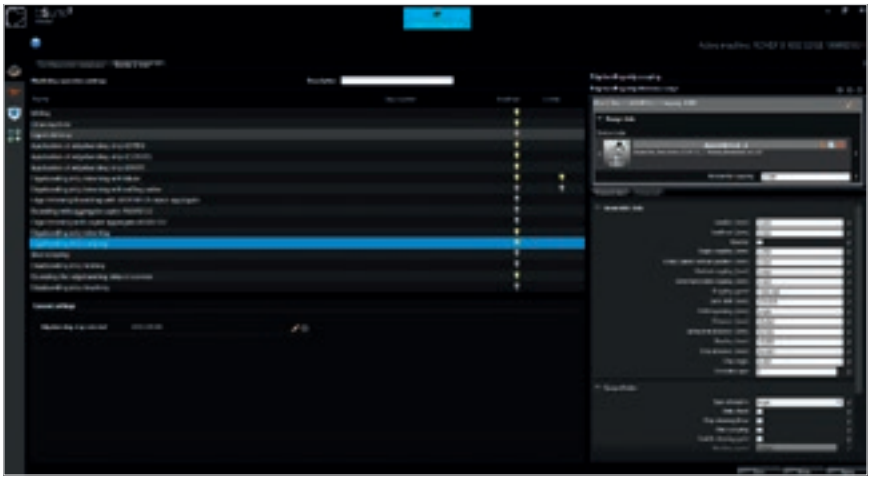


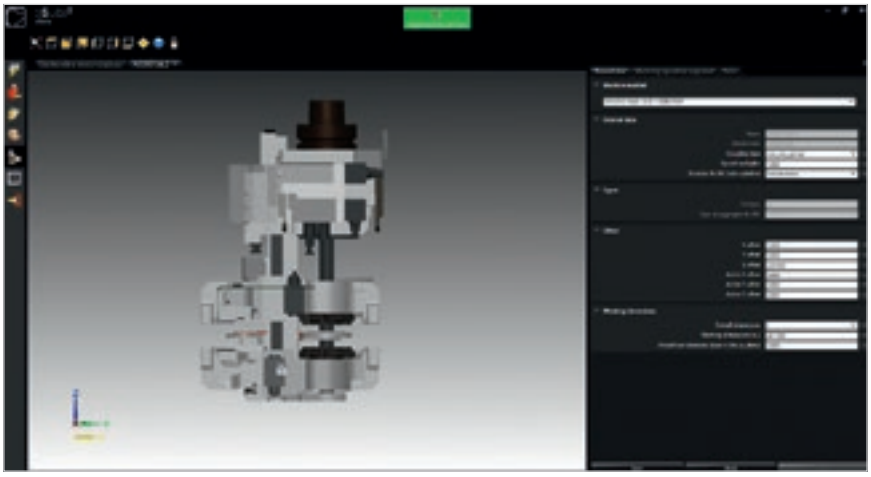
Automatic generation of the edgebanding operation sequence (pre-edgebanding, edgebanding, post-edgebanding).



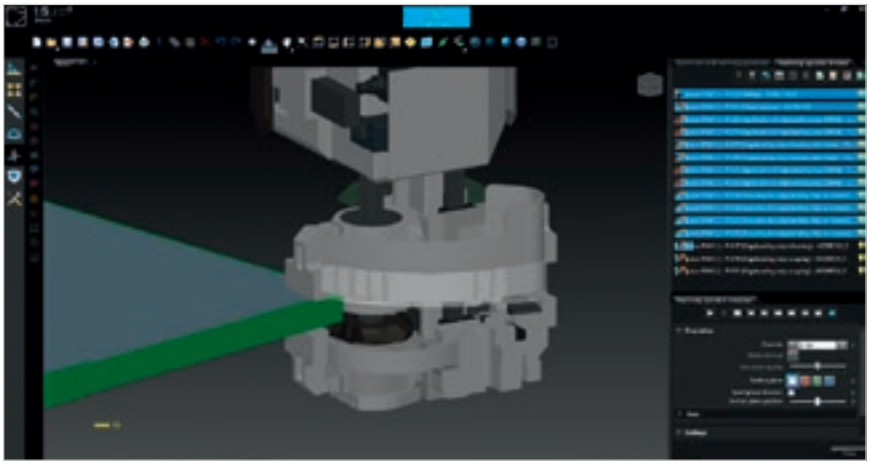


Simulation of the machining operations and the various edgebanding devices (glue or Ray Force System).





Customised configurations for simple management of the edgebanding parameters.



Simplified management of the post-edgebanding devices.

REDUCED TIME AND WASTE

B_N

B_NEST IS THE B_SUITE PLUGIN SPECIFICALLY FOR NESTING OPERATIONS. IT ALLOWS YOU TO ORGANISE YOUR NESTING PROJECTS IN A SIMPLE WAY, REDUCING THE MATERIAL WASTE AND MACHINING TIMES.

- Flexibility with reduced production times and costs.
- Optimisation for every type of product.
- Management of articles, sheets and labels.
- Integration with company software.

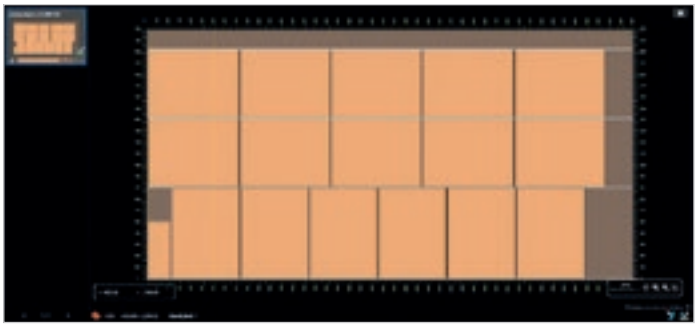

B_NEST

FLEXIBILITY WITH REDUCED TIMES AND PRODUCTION COSTS

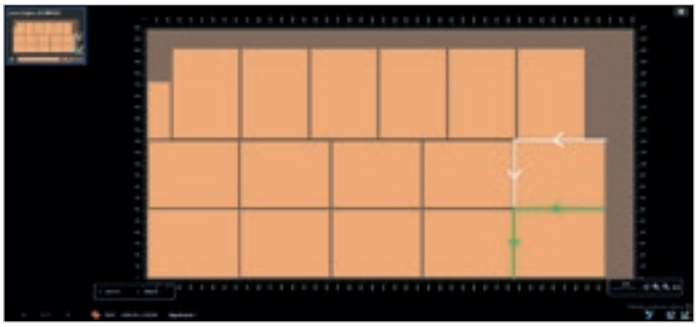
B_NEST identifies the most efficient production layout and sequence for rectangular or shaped elements, thanks to the various algorithms in the software.

Thanks to B_NEST, production times and costs can be optimised because all the necessary pieces are produced in one single machine step, with the minimum calculated waste.

Cutting optimizer: all the pieces are machined with the mill making a complete movement around them.



Guillotine cut: algorithm that positions the pieces in the same way that a panel saw would do. Where possible, milling operations are longitudinal or transverse in relation to the sheet.

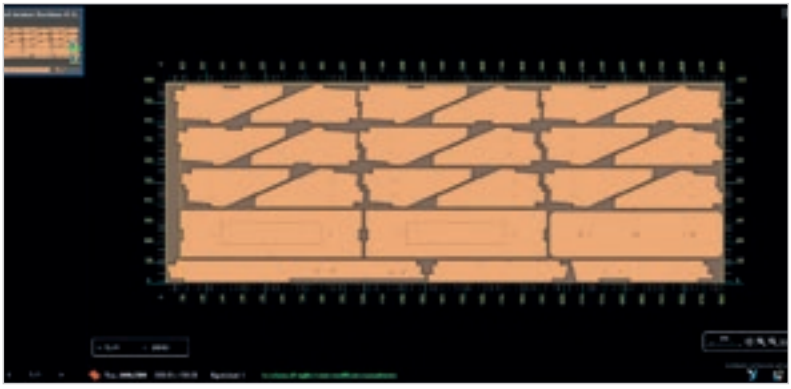


Common cut algorithm: this algorithm positions the pieces so that a single tool movement can be made along the shared piece sections.

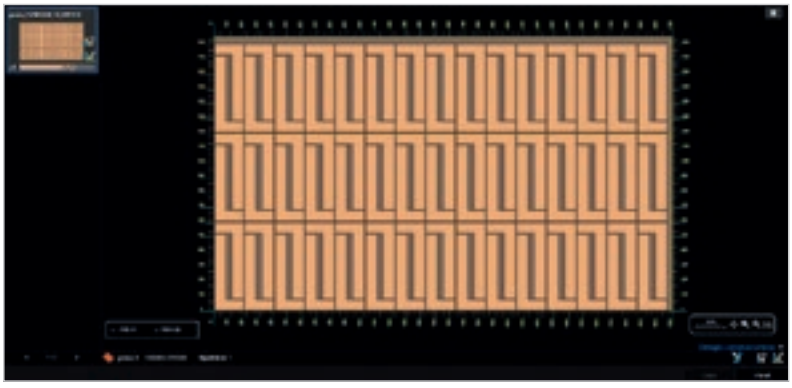
A choice of nesting algorithms means that the best compromise between waste, finish and execution time can be defined.

OPTIMISATION FOR EVERY TYPE OF PRODUCT

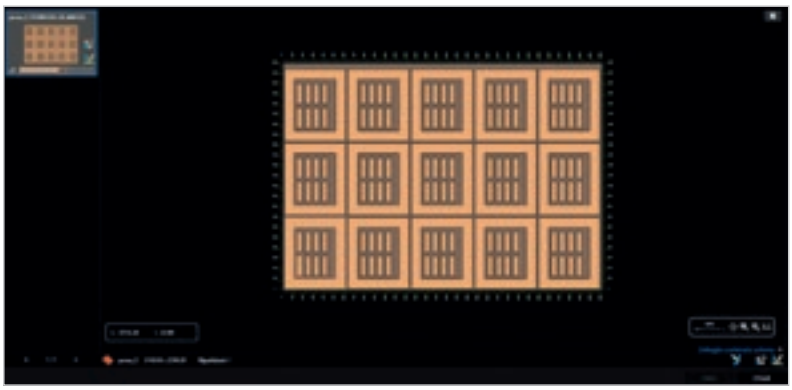
Various calculation options allow B_NEST to generate specific nesting layouts for the customer's type of production.



Free-shape nesting: guarantees the minimum waste for pieces of any shape.

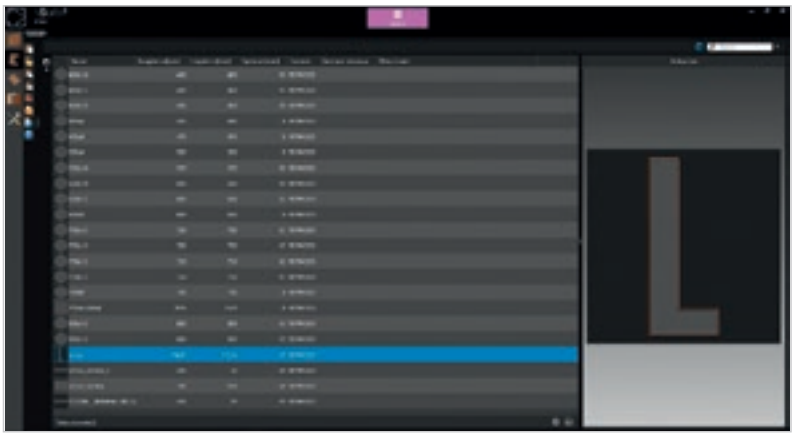


Cluster: the cluster function combines the pieces in sub-groups to reduce waste.

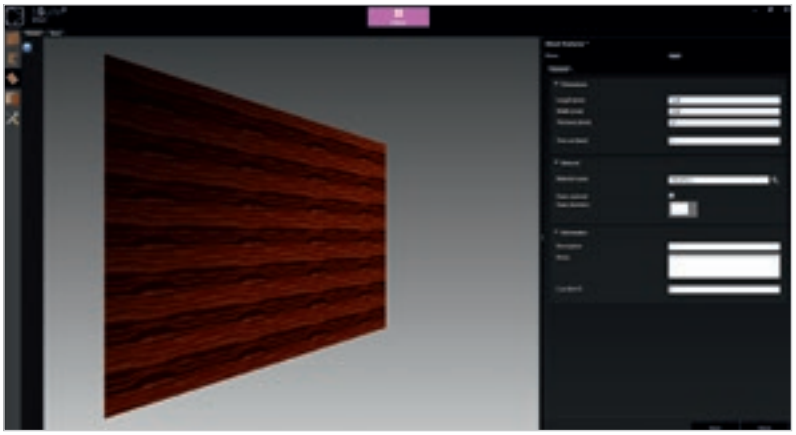


Openings management
to fill the openings inside the pieces.

MANAGEMENT OF ARTICLES, SHEETS AND LABELS



Managing articles: the articles are shown on the screen, making it easier to select them. They can also be arranged in folders so they're easier to manage.

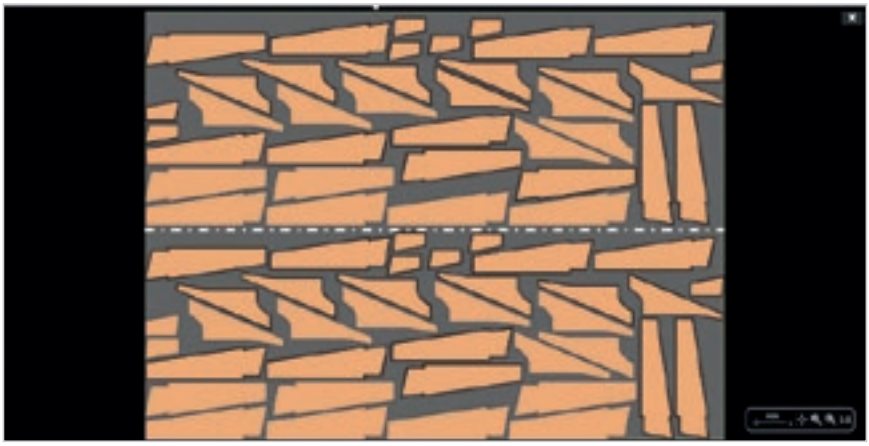


Managing sheets

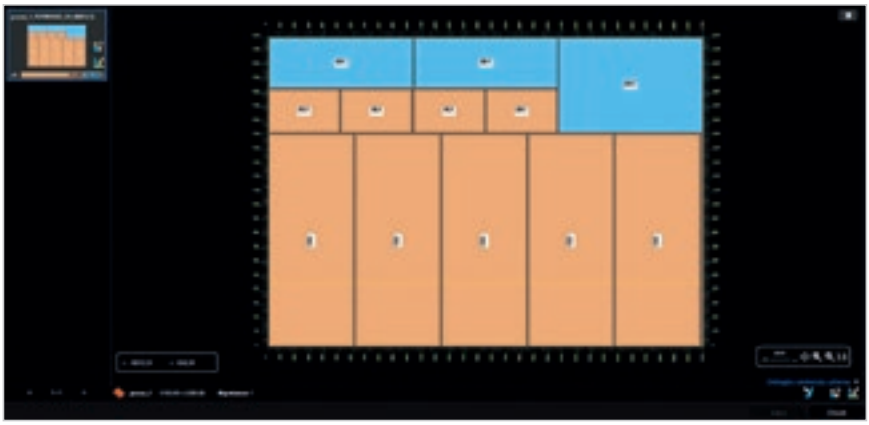
Labels: B_NEST is used to create and modify the labelling layout, adding information obtained from the customer's database software. B_NEST can manage both bar codes and QR codes.

B_NEST evolves to meet the needs of even the most demanding customer.

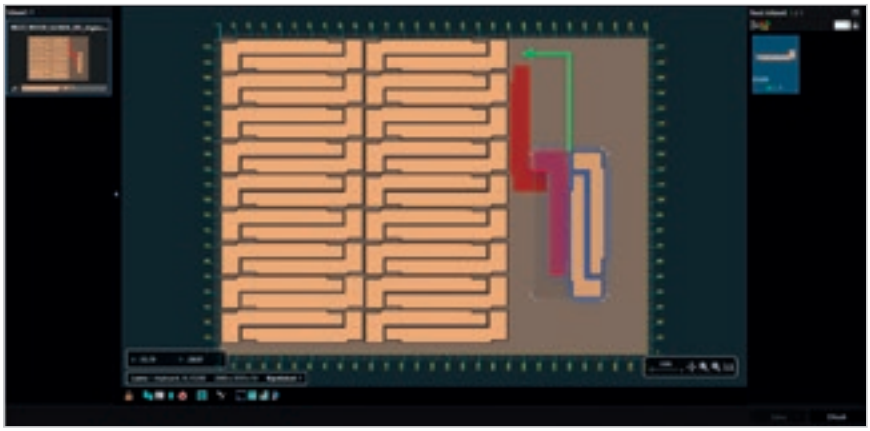
As the market moves forward, B_NEST adds increasingly advanced functions to keep up with the times.



Results cloning: the perfect combination of technology and software. B_NEST goes hand in hand with the evolution of Biesse's machining centres with two operating units.



Rest management (opt): automatic management of material considered reusable on the basis of criteria set by the user.



Manual results editor (opt): a simple, user-friendly environment for modifying the nesting results. The editor has tools that simplify the manual filling of the sheets.

MAXIMUM DESIGN FREEDOM

B_W

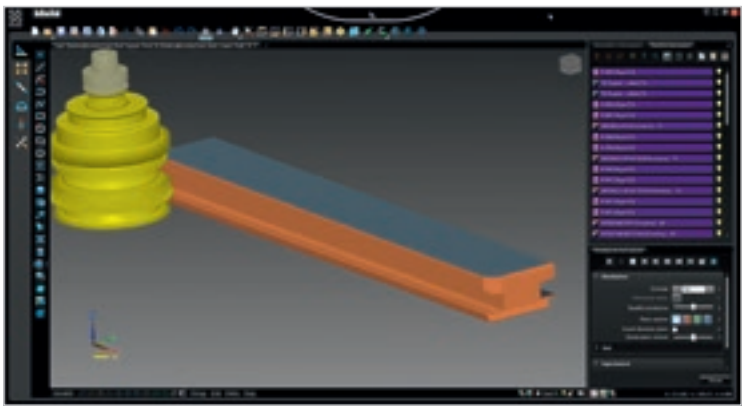
B_WINDOWS IS A SEAMLESSLY INTEGRATED PLUG-IN FOR THE PLANNING OF WINDOWS/DOOR FRAMES. BY EXPLOITING B_SUITE'S PLANNING FUNCTIONALITY, B_WINDOWS PROVIDES UNPARALLELED CAPABILITIES.

- Creation of window/door frames even with extremely complex designs.
- Ability to visualise all components and composition of the products to be manufactured.
- Precise calculation of the timing of job lists generated by an entire order.

B_WINDOWS

CREATION OF WINDOW/DOOR FRAMES EVEN WITH EXTREMELY COMPLEX DESIGNS

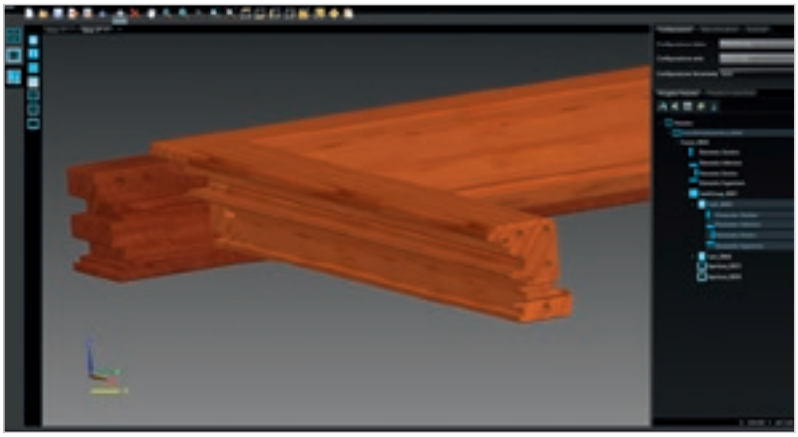
B_WINDOWS's potential is such that it supports the design of all types of window/door frames. It can manage extremely complex products in terms of number and types of components.



The software contains the basic know-how, supplied by Biesse, regarding the machining operations to be carried out in this type of process. The customer just need to indicate which tools are available, and bWindows will process the information and create the project automatically.

Substantial reduction in set-up time.

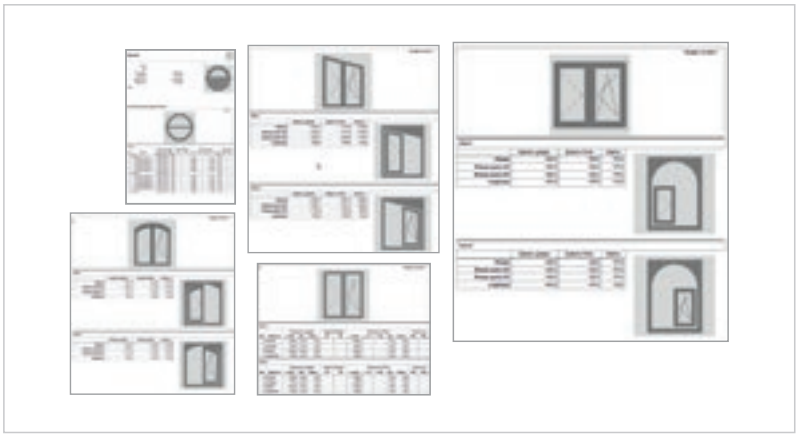
Ability to visualise all components and composition of the products to be manufactured.



B_WINDOWS offers the possibility to verify the specifications of the product to be manufactured. All components and characteristics (size, junctions, individual components, finishes) of a work piece can be checked even before it is simulated or processed.

Precise calculation of the timing of job lists generated by an entire order.

B_WINDOWS enables the precise calculation of door and window processing times, by virtue of its seamless integration with bSuite and its innovative job list management: a uniquely reliable estimation tool that only Biesse can offer to its customers.



Management of printouts and glass list for the internal and/or external production of an order's complementary components.

SIMPLE AND PRACTICAL

B_DOORS IS A PERFECTLY INTEGRATED, INTUITIVE AND PRACTICAL B_SUITE PLUG-IN FOR DESIGNING DOORS.

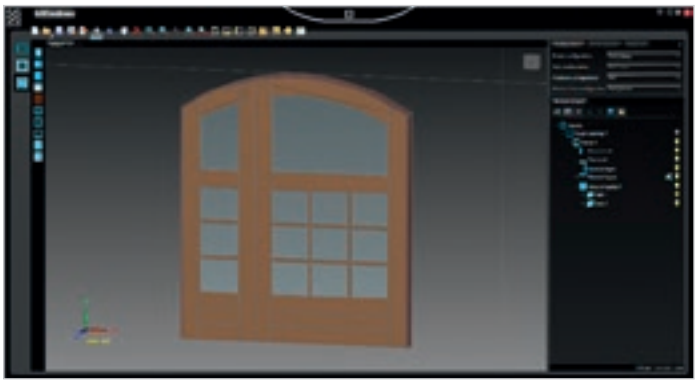
- Creation of doors with elements and honeycomb sandwich panels.
- Simplified, parametric creation of uprights and shaped crossbars for doors with elements.
- Precise calculation of the timing of job lists generated by an entire order.


B_DOORS

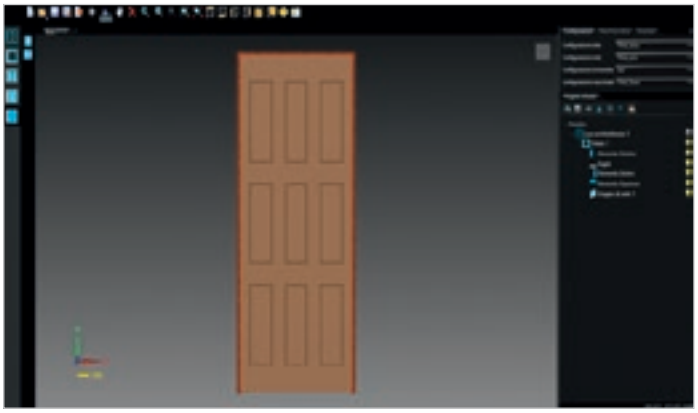
CREATION OF DOORS WITH COMPLEX SHAPES

B_DOORS can be used to design any type of door. For easy management of products with complex shapes.

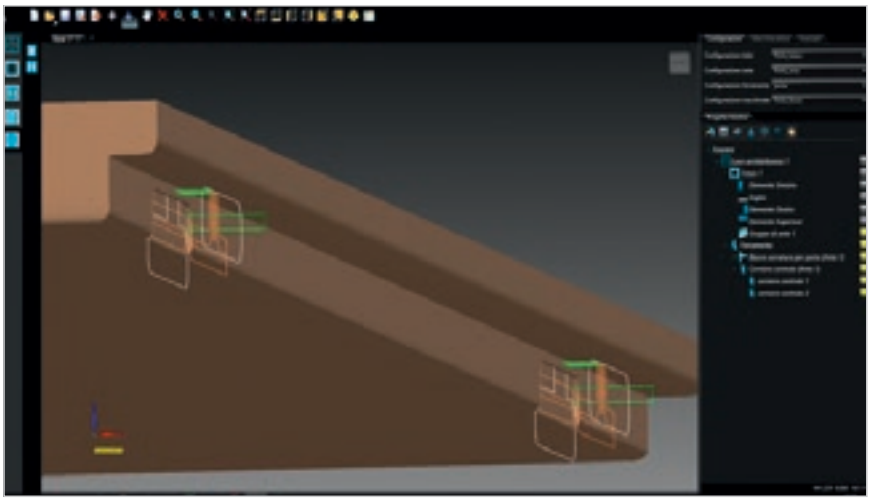
Management of doors with elements and honeycomb sandwich panels.

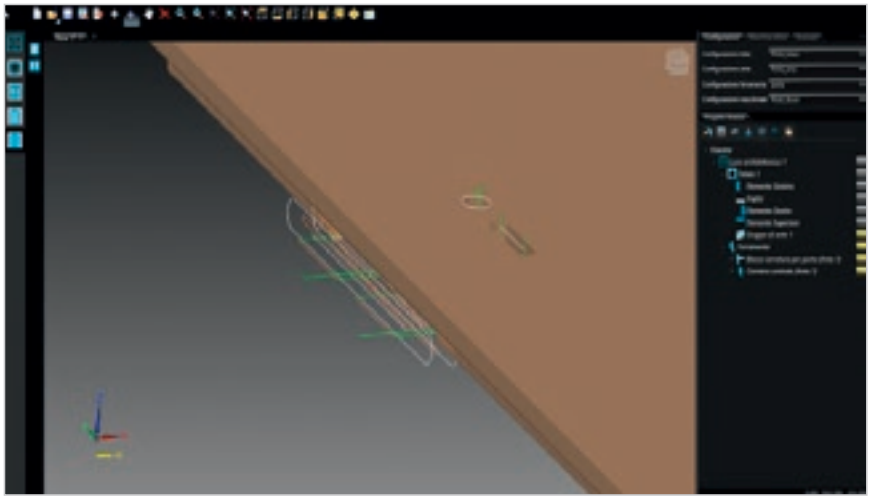


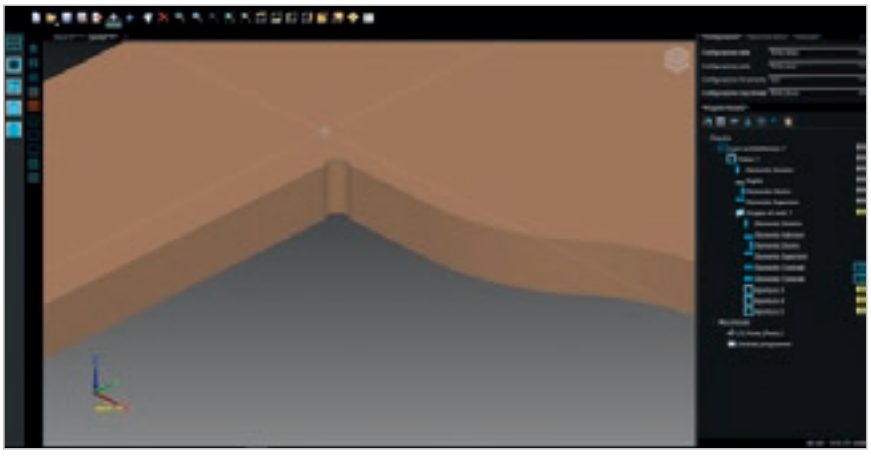
Central division elements.



Possibility to view all the components and characteristics of the product being created.







- Management of parametric-shaped slotting.
- Opening of corners for frame insertion.
- Management of milled doors.
- Parametric creation of radiusing and fake horizontal and vertical slats.

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 in the system, bSolid automatically programmes all necessary processing operations, down to specifying which tool to use. And if I have designed a complex piece and realise 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 programme 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 at the same time, that manages to put even the most conservative joiners at ease...".

Source: XYLON September-October 2013MCM, a Biesse customer since 1992, is one of the main manufacturers of custom, high-end furniture

LIVE THE EXPERIENCE

BIESSEGROUP.COM

50 YEARS

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.

BIESSEGROUP

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

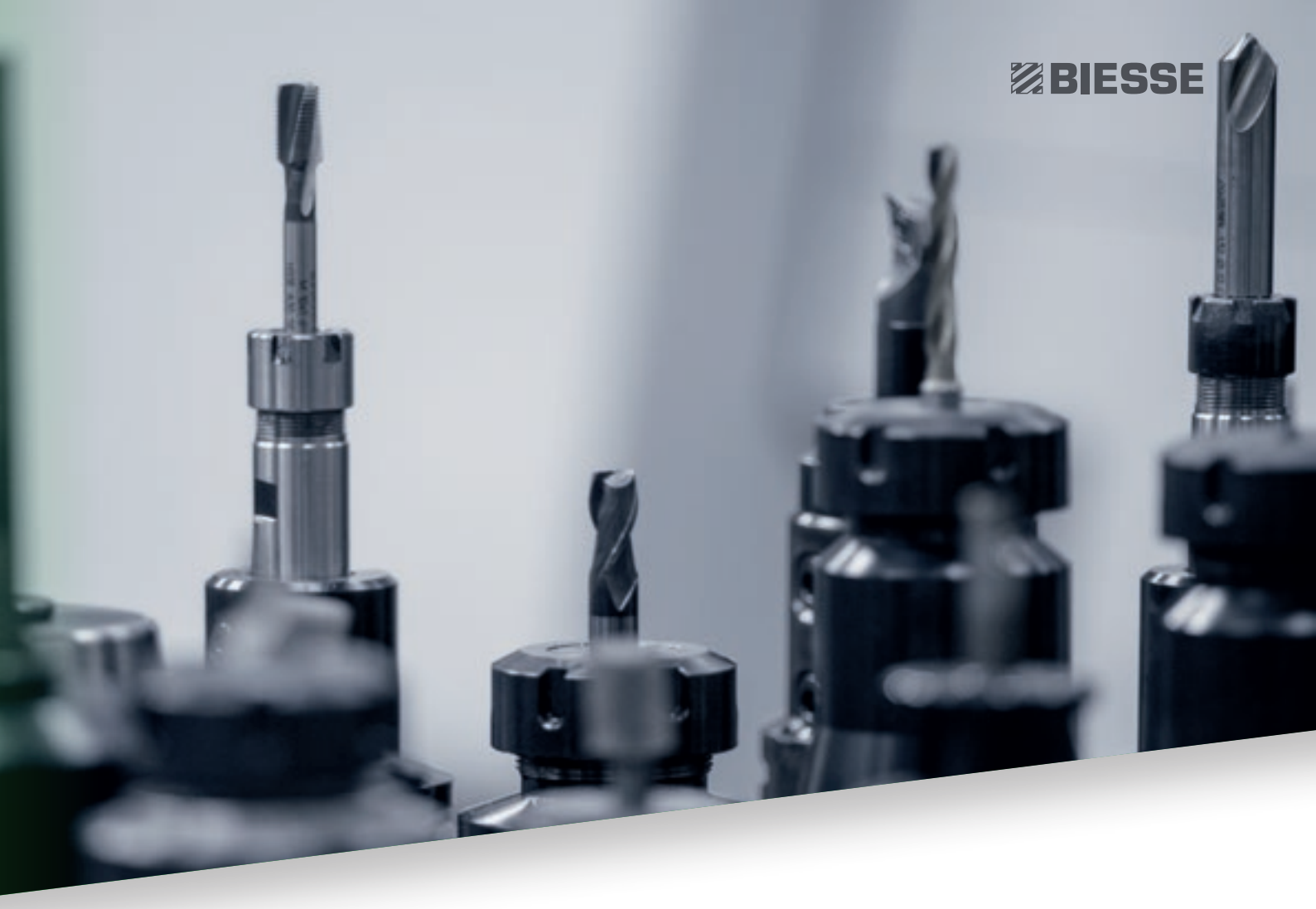
- Machine and system installation and commissioning.
- Training centre dedicated to Biesse Field engineers, subsidiary and dealer personnel; client training directly at client's site.
- Overhaul, upgrade, repair and maintenance.
- Remote troubleshooting and diagnostics.
- Software upgrade.

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.

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