

OPTI PLANNING



OPTIMISATION SOFTWARE
OF THE CUTTING PATTERNS



SOFTWARE FOR THE SMART, ASSISTED MANAGEMENT OF SECTIONING PHASES



OPTIPLANNING IS THE SOFTWARE FOR OPTIMISING CUTTING PATTERNS, DEVELOPED ENTIRELY BY BIESSE. BASED ON THE LIST OF PIECES TO BE PRODUCED AND THE PANELS AVAILABLE, IT CAN CALCULATE THE BEST SOLUTION TO MINIMISE MATERIAL CONSUMPTION, SECTIONING TIMES AND PRODUCTION COSTS.

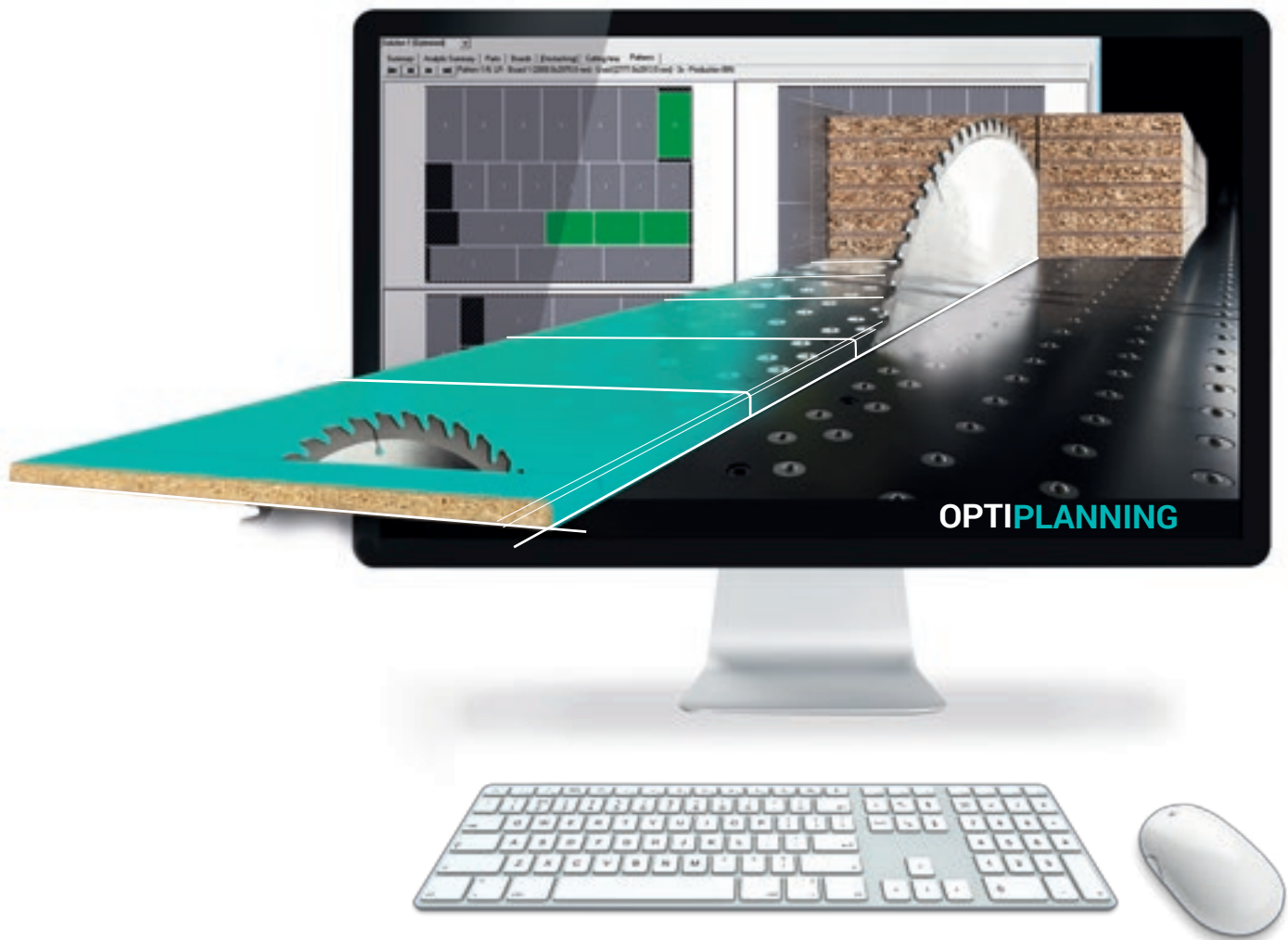
THE MARKET DEMANDS

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 technological solutions that enhance and support the technical ability and knowledge of processes and materials, aimed at small and large companies in the sector that want to increase performance and make their factories more efficient.

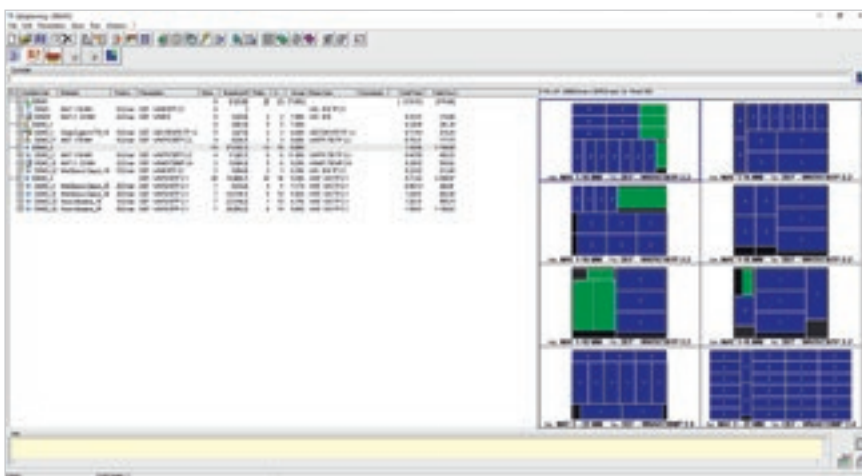
OPTI PLANNING



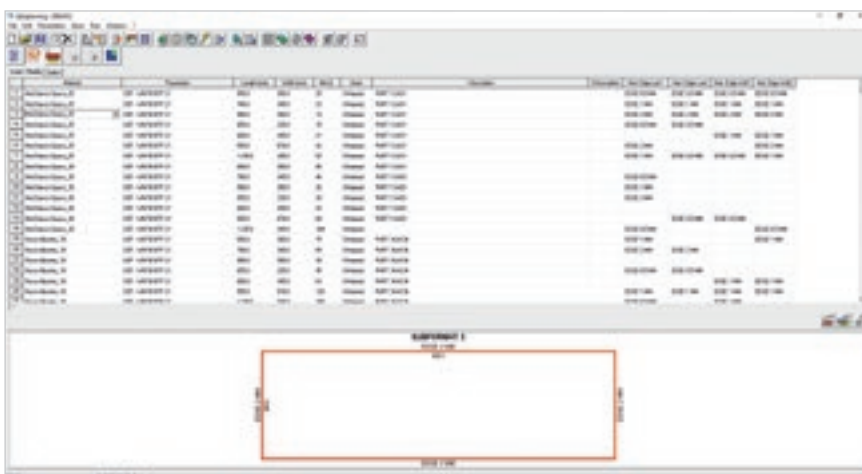
- ✓ MAXIMUM INTEGRATION WITH THE MACHINE
- ✓ HIGH RELIABILITY OF CALCULATION ALGORITHMS
- ✓ EXTREMELY USER-FRIENDLY
- ✓ INTEGRATION WITH MANAGEMENT SYSTEMS DESIGN SOFTWARE AND LINE SUPERVISORS.

EXTREMELY USER-FRIENDLY

OPTIPLANNING allows to set the optimization parameters to reduce cutting times and the material used based on customer needs.



The software is able to manage orders for small and large production lots by organizing the work order to be optimized in a simple and intuitive manner. OPTIPLANNING calculates the real timing, the cost necessary for each cutting phase, guaranteeing maximum performance.



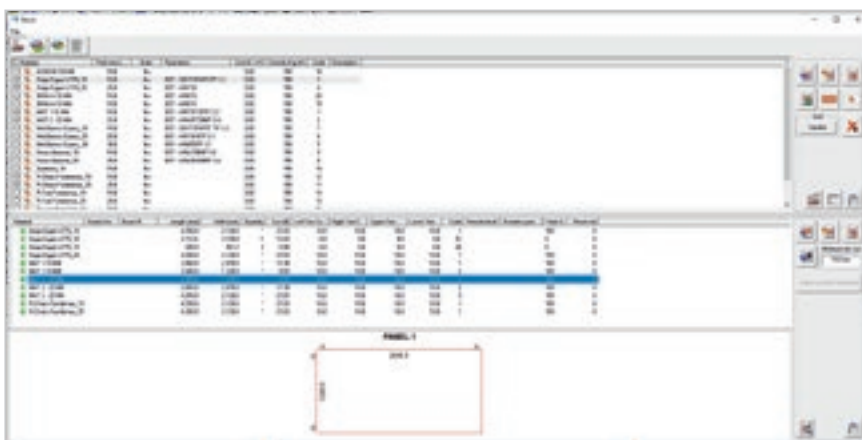
The Multi-Material List is the single page for the entry of the pieces to section, even in the presence of more materials, including the single pieces information that require machining operations after sectioning.

No limits to the number of pieces to be sectioned.



All the information of the single sub-format to be optimized is reported and printed on a label with customizable layout.

USE OF THE MATERIALS PRESENT IN STOCK, REDUCING WASTES TO A MINIMUM



MATERIALS STORE

This is the archive of all available materials. Panels/Remains, edges, laminates and optional high-rotation pieces:

- Stocks can be updated automatically and through appropriate import.
- It is possible to export the exact stock in CSV and XML format.
- It is possible to view the preview of the customizable panel.

HIGH RELIABILITY OF CALCULATION ALGORITHMS



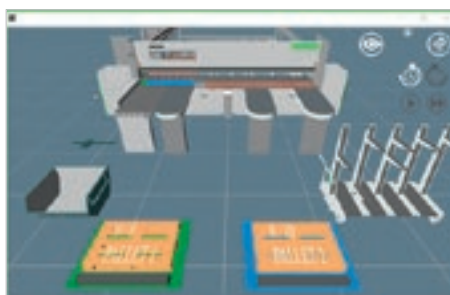
The software is able to make the most of the HW characteristics of the latest generation multiprocessor PCs.

This allows to perform multiple simultaneous optimizations for each cutting list in search of the best solution without increasing calculation times.

Display of the solutions found with reference to the main information such as panel consumption, patterns and waste obtained.

MAXIMUM INTEGRATION WITH THE MACHINE

Maximum efficiency in the management of the discharge stations of the produced pieces.

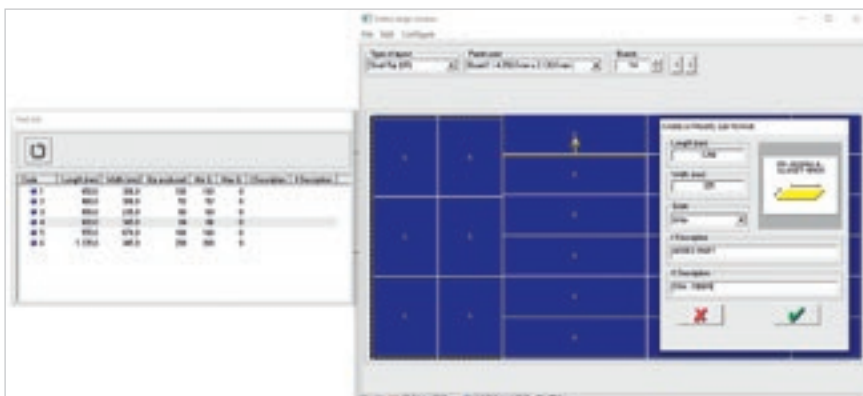


MANAGEMENT OF DISCHARGE PILES
The software is able to manage the output of the pieces based on the dimensions or based on a precise description of the piece that decides its priority.

INTEGRATION WITH DESIGN SOFTWARE AND LINE SUPERVISORS MANAGEMENT SYSTEMS



The import allows the importation of one or more cutting lists generated by company management software or furniture design software, eliminating the entire manual data entry phase.



MANUAL EDITOR
One or more cutting patterns can be partially or totally modified manually during the machining operation. The software verifies the correctness of the changes and updates all the reports with the reprocessing of a new solution while maintaining the optimized solution.

		OPTIPLANNING EASY	OPTIPLANNING STANDARD	OPTIPLANNING PROFESSIONAL LW	OPTIPLANNING PROFESSIONAL HP
ALGORITHMS	LOW VOLUMES	YES	YES	YES	YES
	HIGH VOLUMES	NO	NO	NO	YES
	MONODIMENSIONAL	YES	YES	YES	YES
WAREHOUSE PANELS AND REMAINS	PANELS (Limited quantity only)	YES	YES	YES	YES
	PANELS/REMAINS (Manual management of exact quantities)	NO	YES	YES	YES
	PANELS/REMAINS (Management of the quantities in stock through import)	NO	YES	YES	YES
	PANELS / REMAINS (Automatic management of the quantities in stock)	NO	NO	YES	YES
IMPORT	COPY / PASTE FROM XLS FILE	YES	YES	YES	YES
	IMPORT PIECES / PANELS	NO	YES	YES	YES
	GRAPHIC EDITOR AND ASSEMBLIES MANAGEMENT	YES	YES	YES	YES
	DATA TRANSMISSION TO SINGLE MACHINE	YES	YES	YES	YES
	DATA TRANSMISSION TO MULTIPLE MACHINES (MAX 5)	YES	NO	NO	NO
COSTS ORDER	MATERIAL COSTS CALCULATION	NO	YES	YES	YES
	SECTIONING TIME CALCULATION	NO	NO	YES	YES
	MATERIAL AND SECTIONING COSTS CALCULATION	NO	NO	YES	YES
	SOLUTIONS GRAPH	NO	NO	YES	YES
	EDIT FOR LABEL LAYOUT	YES	YES	YES	YES
	OFF-LINE PRINTING	OPT.	OPT.	OPT.	OPT.
MACHINING OPERATIONS SPECIAL	EDGES	NO	YES	YES	YES
	LAMINATES	NO	YES	YES	YES
	DETENSIONED	NO	NO	YES	YES
	GROOVES	NO	NO	YES	YES
	GROUPING	NO	YES	YES	YES
	ASSEMBLIES FROM IMPORT	NO	NO	YES	YES
	OPTIONAL PIECES	NO	NO	YES	YES
	DISCHARGE PILES	NO	NO	YES	YES
	MOBILE	NO	NO	YES	YES
	"SEND TO" OPTION	NO	YES	YES	YES
	COMMAND LINE	NO	OPT.	OPT.	OPT.
	PRINT OFFICE REPORT	YES (Base)	YES	YES	YES

MADE WITH BIESSE

INCREASING COMPETITIVENESS WITH SOFTWARE

Artinvest is a 20 years old company and one of the leading company in Serbian market in selling material for furniture production and at the same time finished furniture.

We have ten shops dislocated from the central workshop; customers come to our shop, they have some ideas or some specification of elements and fittings, they can say 'I need this element which this color, this elements with this edgbanding', or we can even help him if is not familiar with that kind of business, so they can produce alone their own furniture.

Then we use Optiplanning, a Biesse's program for optimization of cutting, we collect different orders from customers and put it automatically in the system here in the headquarter of our company, and then we put it in production. We need to finish everything,

to produce the elements and then we need to deliver them to customers without any mistakes and right on time.

"Without the help of software we would be blind: we cannot do anything"
Sasa Kostic, General Manager.

The Whole system prepares the boards for the next cutting with the look ahead function or during the night, and cutting is automated on that way that the operator cannot make some mistakes or choose some other color. When we finish we're going on drilling on skipper machine or on Rover. With this software we have now, from Biesse, and with some other software we want to integrate together with your software, I think that our advantage in comparison with the competition will go on some higher level with all of this".

"When we started to think about this investment and we recognized that we need something like this, we contacted five biggest producers in Europe. There are many elements if you want to make some decision like this: trust, price, quality of the equipment, even delivery, and very important after sales service. Biesse really listened to us, we know that Biesse have service in Serbia with many technicians, and it is very important for us to have really good support in after sales. In this few months after installation we had really good support from Biesse, machines are working properly and everything is ok and I can say that we're satisfied with our choice".



LIVE THE EXPERIENCE



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.

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

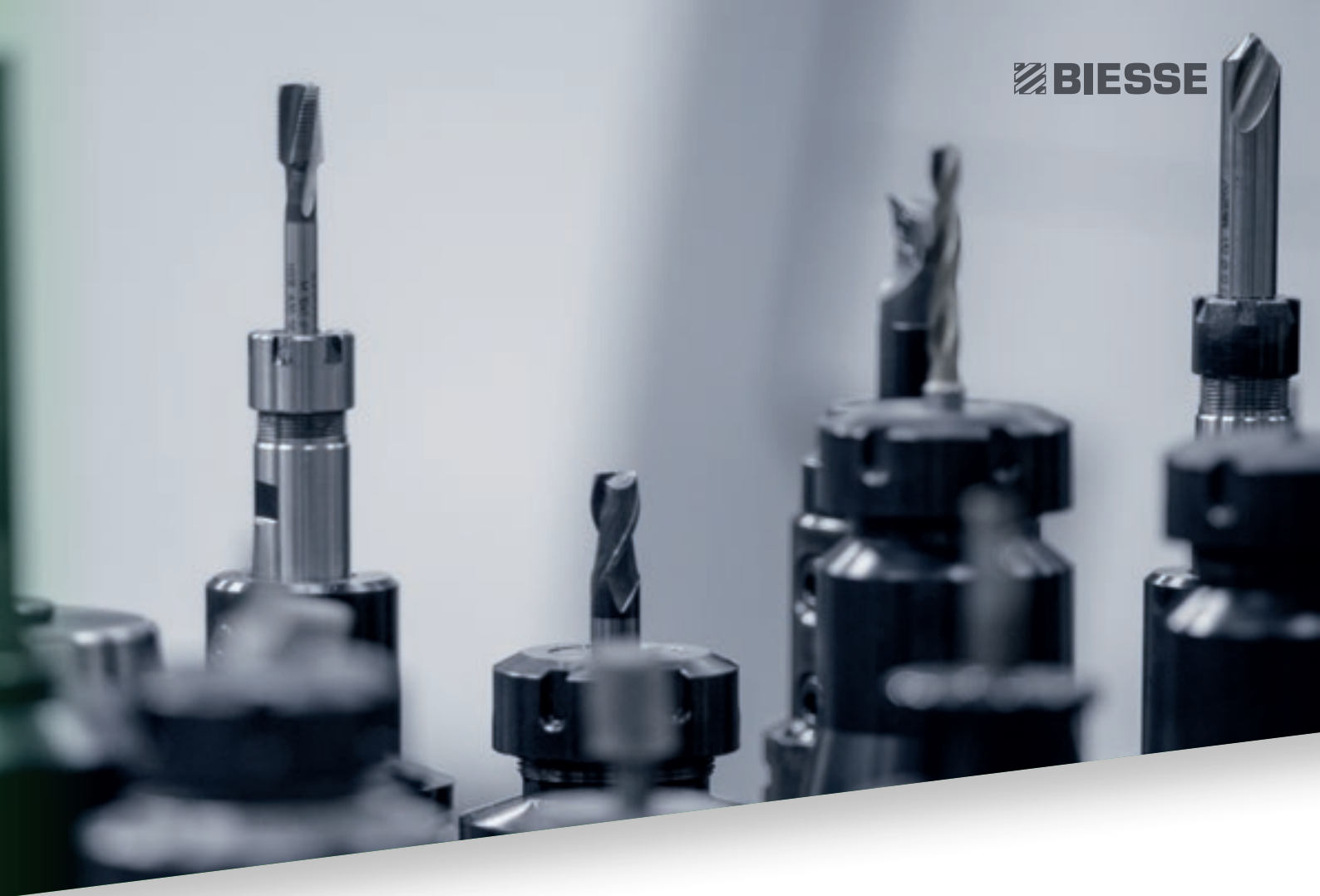
Biesse engineers manning a Teleservice Centre.

550

certified Dealer engineers.

120

training courses in a variety of languages every year.

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 precision engineering.

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.

