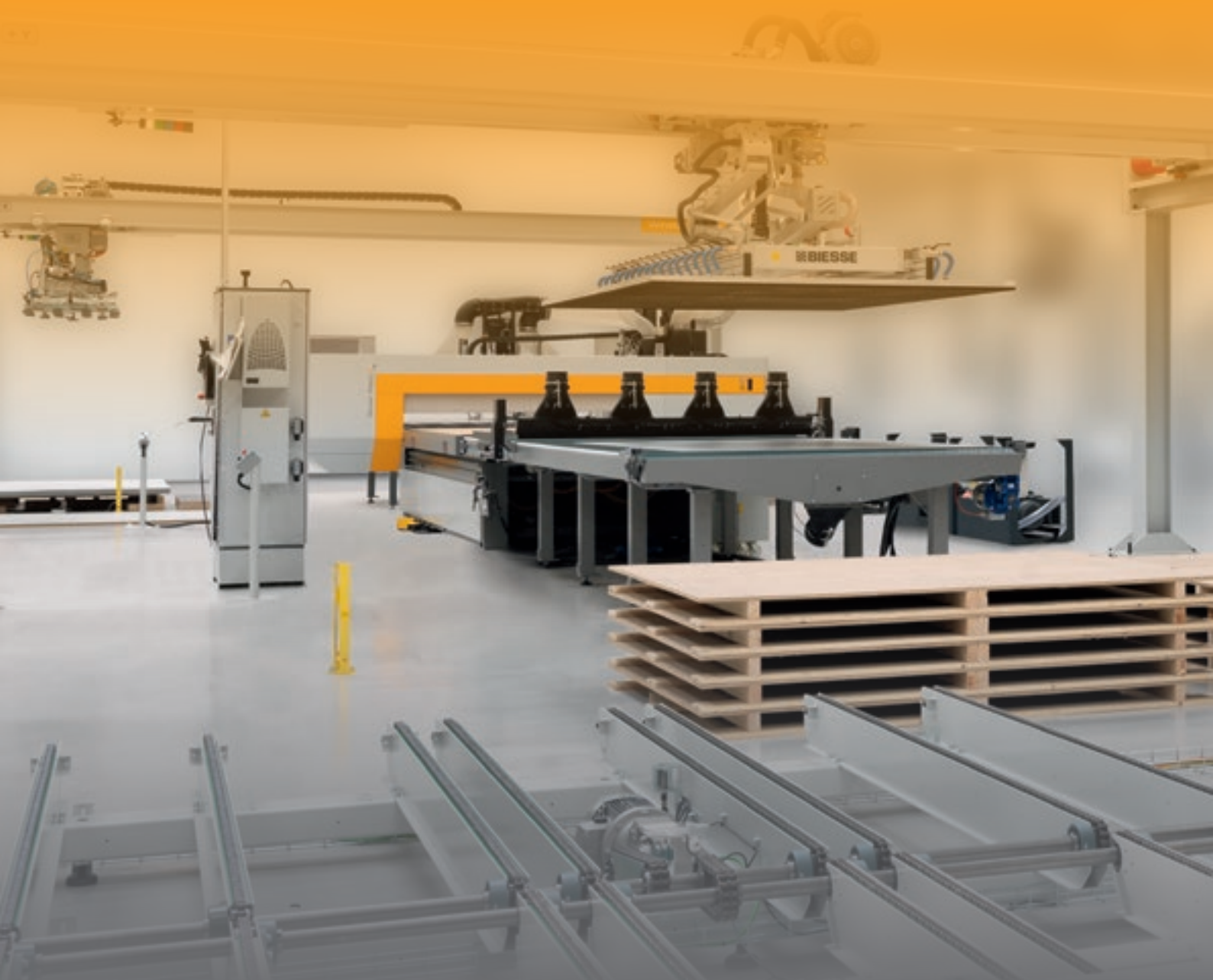


SYSTEMS PLAST

SYSTEMS AND FACTORIES



 **BIESSE**

SIMPLIFICATION OF PRODUCTION PROCESSES

SYSTEMS PLAST

- ✓ MAXIMUM EFFICIENCY OF THE PRODUCTION PROCESS
- ✓ MANPOWER REDUCTION
- ✓ REDUCTION OF DELIVERY TIMES
- ✓ FACTORY OPTIMIZATION
- ✓ HIGH FLEXIBILITY.

THE MARKET CALLS FOR

a change to production processes with solutions that allow companies to enter the fourth industrial revolution and evolve technologically by uniting human skill and experience with total automation and interconnected production. This is coupled with the need to maintain high quality standards while offering product customisation with quick and defined delivery times, as well as responding to the needs of the most highly automated enterprises.

BIESSE RESPONDS

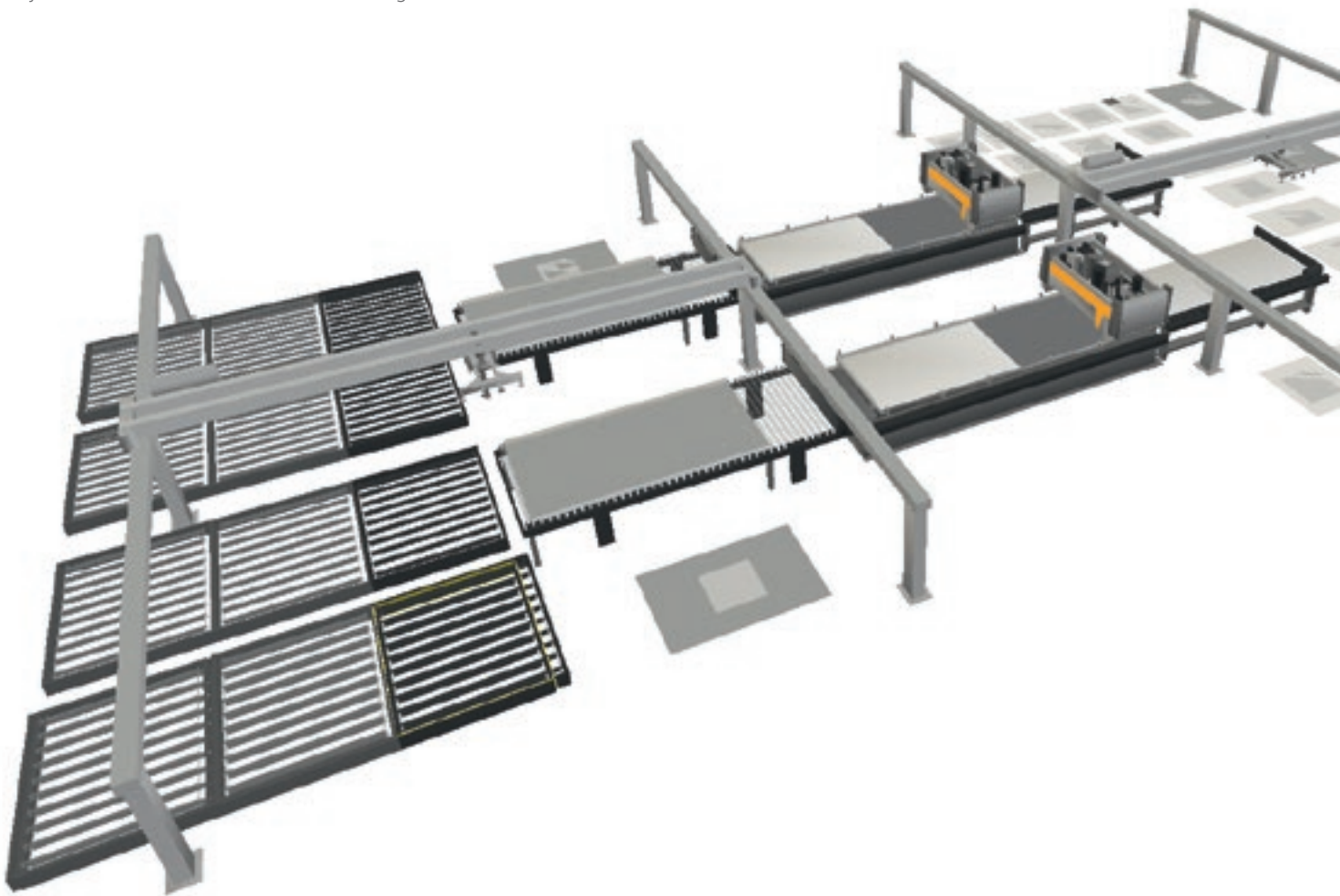
by seizing the evolution of an increasingly demanding market and offering **integrated technological solutions that optimise and simplify production processes.**

Biesse Systems is a team of sector experts, capable of understanding and anticipating business needs, who work with the customer from inception through to system installation and testing.



A COMPREHENSIVE CONSULTANCY SERVICE

Biesse Systems offers automated solutions for the handling of sheets processed by machines dedicated to the machining of advanced materials.



To fully respond to customer needs, Biesse Systems collates all kinds of technical data, such as: plant layout, product type, manufacturing specifications, quality objectives, quality and production standard controls, as well as the study of software integration system. Once such data has been analysed, a technical and commercial specification is drafted.

The data is then translated into: layout, volume production calculations, bill of materials and material movements (logistics). At the end this process, the result will be:



- ✔ Definition of all machines and equipment needed for the project;
- ✔ research on customisable machines and components;
- ✔ analysis of plant software integration systems;
- ✔ calculation of productivity;
- ✔ definition of workshop logistics;
- ✔ calculation of material and warehouse movements required for plant operation.



Once the project enters its implementation stage, the system takes shape. Machines are installed and tested and all tools for managing them and integrating the line with the plant's software system are provided.

GREATER MANUFACTURING EFFICIENCY



The Winstore automated magazine stacks sheets of different sizes and materials, including mixed ones, with no need for operator intervention. The reorganisation of sheet magazine and stacking can be carried out automatically, out of working hours.



Magazine mapping is fully optimised thanks to the panel automatic handling managed by the system supervision software.

The automated solutions offered by Biesse helps reduce time to delivery, reduce manpower and reduce magazine space achieving maximum efficiency in the production process.

WASTE
REDUCTION



10% REDUCTION IN RAW MATERIALS COMPARED TO
CONVENTIONAL PRODUCTION HANDLING METHODS

The rotating sheet pick-up system and squaring laser photocells optimise the magazine internal area, enabling the perfect alignment of the stack as well as correcting manual loading errors.



↙
Reduction of warehouse space thanks to the management of batteries inhomogeneous and rainbow.

30% labour reduction.

PRODUCTION LINES

COMPETITIVE CUSTOMISATION

Biesse Systems is a team of highly trained engineers for large scale production processes. Biesse Systems offers integrated cells and systems that are capable of maximising customer competitiveness by combining mass production techniques with a high degree of customisation to meet customers' exact requirements.

Made-to-measure turnkey factories, plus the integration of Biesse Group solutions with complementary software and machinery, with over 1000 systems installed worldwide.



INTEGRATED TECHNOLOGY SOLUTIONS

Biesse to offer a flexible loading solution for managing panel handling during all the production processes.



PERFECT INTEGRATION INTO NESTING AND SIZING CELLS.

ROBOTISED SYSTEMS THAT INCREASE EFFICIENCY AND PRODUCTION CONTINUITY, SIMPLIFYING EVERYDAY WORK



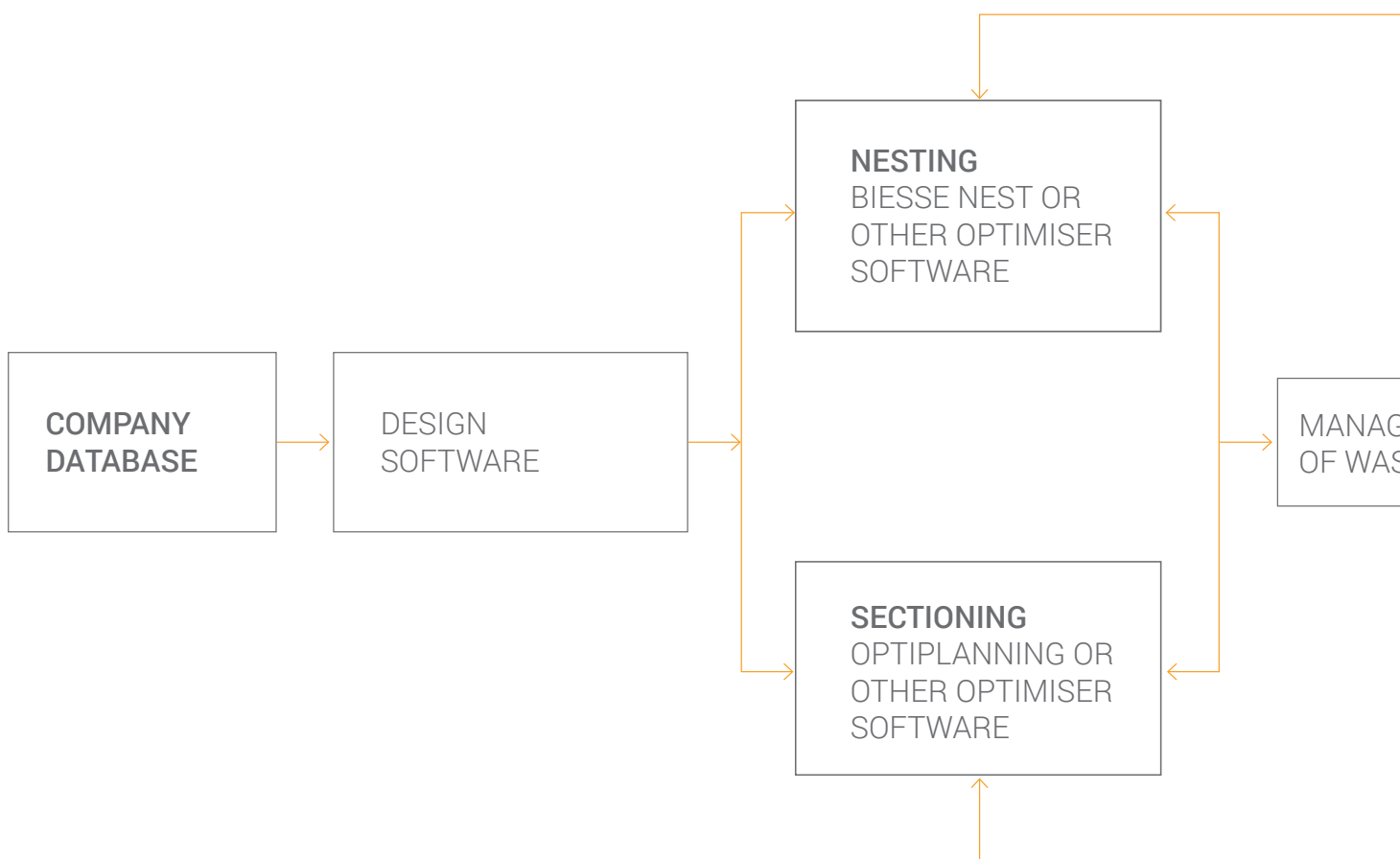
Simplification of processes, replacing many manual tasks and reducing the risk of damaging the sheets. Robots are a solution that combines versatility, efficiency and high investment returns.

**TECHNOLOGIES THAT ARE EASY
TO USE AND EXTREMELY PRECISE,
AND THAT CAN WORK AUTONOMOUSLY.**

INFORMATION FLOW INTEGRATION

SUPERVISION SOFTWARE.

Biesse supplies an integrated software program for the management (handling, identification and labelling) of sheets to be processed, as well as waste material and off-cuts which can be recycled for new products.





THE SUPERVISORY SYSTEM FOR EFFICIENT PRODUCTION

BAVANT

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.

+4%
REDUCTION IN WASTE.

+12%
REDUCTION IN MACHINE DOWNTIME.

+23%
INCREASE IN PRODUCTIVITY.





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



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 from specific Biesse personnel, in-house and/or at the customer's site.

BIESSE SERVICE

- ▣ Installation and start-up of machines and systems.
- ▣ Training centre for Biesse Field technicians, branch and dealer personnel, and training directly at customer's site.
- ▣ Overhaul, upgrade, repair and maintenance.
- ▣ Remote diagnostics and troubleshooting.
- ▣ Software upgrade.

500

Biesse Field engineers in Italy and worldwide.

50

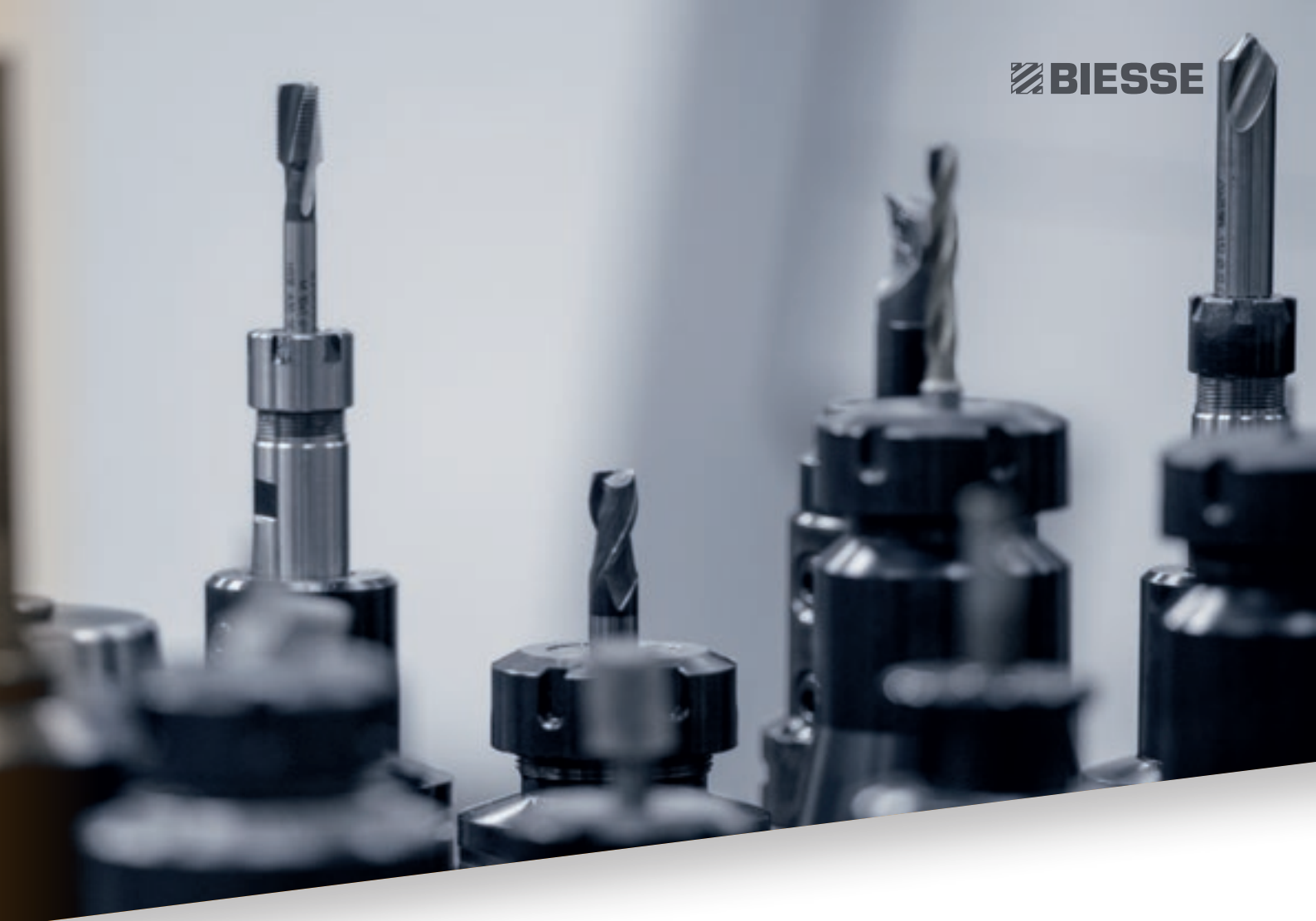
Biesse engineers manning a Teleservice Centre.

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 products and after-sales service through two dedicated areas: Biesse Service and Biesse Parts. With its global network and highly specialised team, the company offers technical service and machine/component spares anywhere in the world on-site and 24/7 on-line.

BIESSE PARTS

- Original Biesse spare parts and spare kits tailored to each machine model.
- 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 times optimised thanks to a global distribution network with delocalised, 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.

