BIESSE RBO WNS

When competitiveness means reorganising your manufacturing process

Made In Biesse

The market demands

a change in manufacturing processes which enables companies to **accept the largest possible number of orders.** This is coupled with the need to maintain high quality standards and **high productivity** for products manufactured in a large number of variants, **with quick and defined delivery times.** It is no longer possible to predict production volumes with any certainty, so you cannot afford to build up costly inventory that eventually becomes obsolete.

Biesse responds

with **high-tech solutions** that can meet the technical requirements of contract manufacturers, thus considerably reducing costs and cycle times. **RBO WNS** is an automated magazine for the optimised management of panels for large contract manufacturers, which guarantees production with reduced times and costs. RBO WNS can be integrated into nesting and sizing cells with a significant increase in productivity.

- ☑ **Return on investment within one year thanks to increased efficiencies and cost reduction.**
- ☑ **Production flow optimisation.**
- ☑ **Integration in the production line.**
- ☑ **Integration with production management software.**

Manufacturing what you need when you need it

RBO WNS

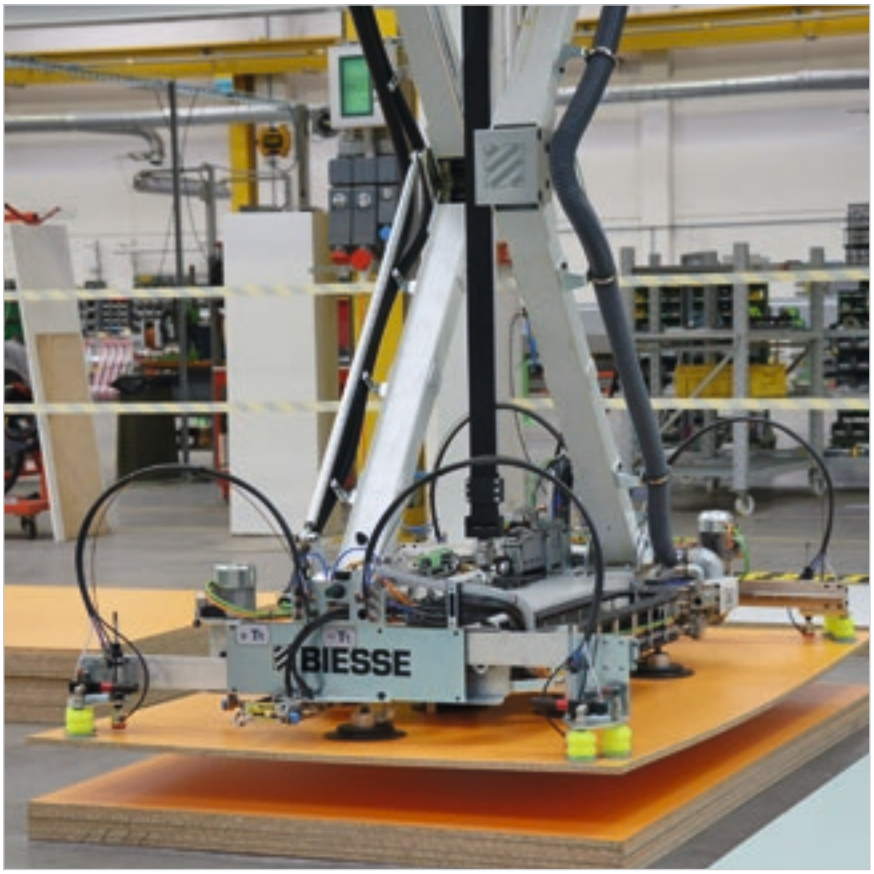

BIESSE
RBO WNS

Return on investment within 1 year

Production line performance increase of up to 25% when working in real time processing.

RBO WNS **stacks panels of different sizes and materials**, including mixed ones, with no need for operator intervention. The reorganisation of the panel magazine and stacking can be carried out automatically, and out of working hours.

35% reduction of product delivery time compared to conventional solutions.



Magazine mapping is fully optimised thanks to the **panel automatic handling** managed by the system supervision software. **The panel scissor pick-up mechanism** enables installation in low-height areas, as well as supporting high system performance and guaranteeing optimal panel stability.

10% reduction in raw materials compared to conventional production handling methods.

The **rotating panel 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.

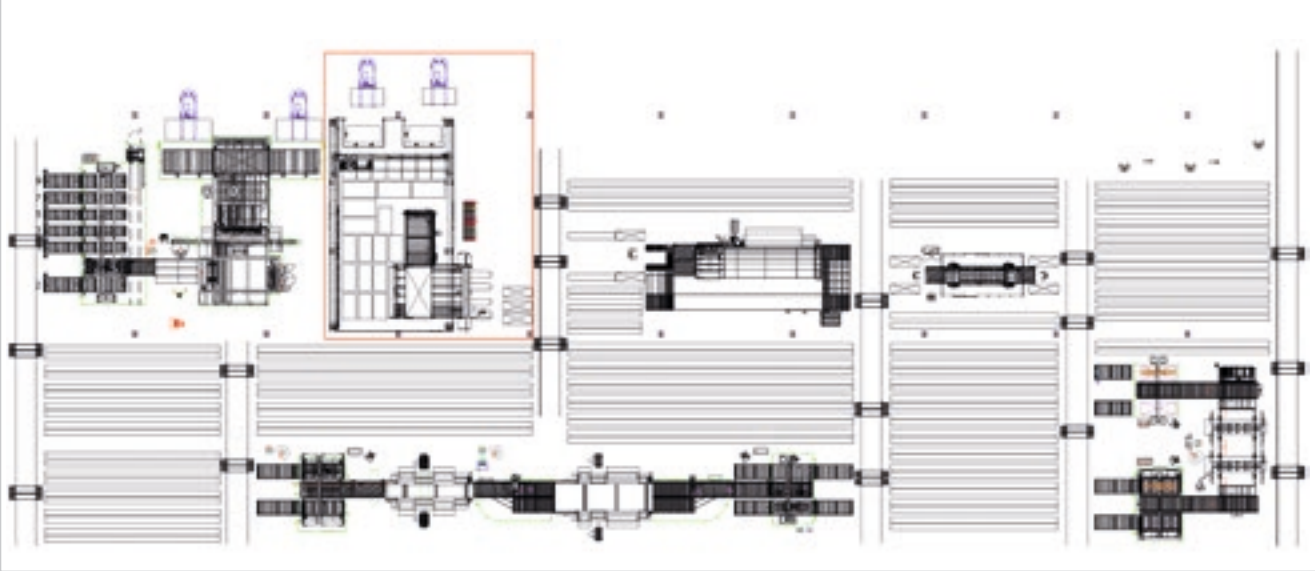
Waste reduction.

Greater efficiency of floor and storage space due to the management of multi-sized and multi-coloured stacks.

30% labour reduction.

2 customisable configurations depending on production needs

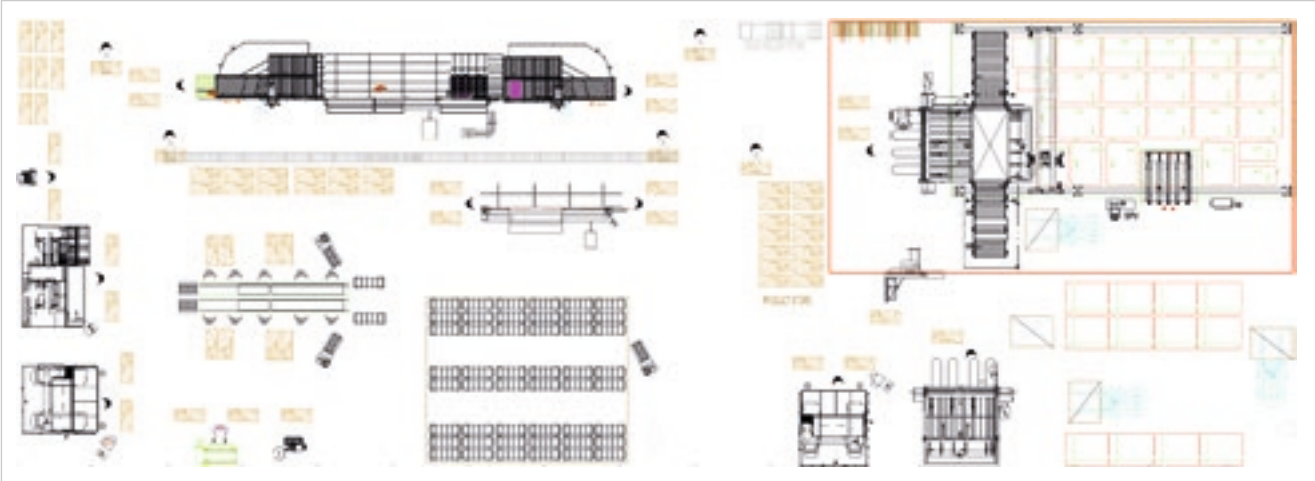
Cells can be customised with respect to sizing and nesting capability and based on the magazine's size and characteristics.



RBO WNS 3D K1

Configuration designed for high-volume manufacturers who need to respond to increasing product flexibility. On average the RBO WNS K1 can handle up to **400 panels per shift** (average value for a 7 hour shift).

Above is an example of a factory where RBO WNS K1 was integrated into their overall production facility, for the production of a wide variety of components.



Configuration dedicated for manufacturers who require high production flexibility.

RBO WNS K2 can handle up to **200 panels per shift** (average value for a 7-hour shift).

Above is an example of a factory where the RBO WNS K2 was the starting point for the whole integrated production process.

Application fields:

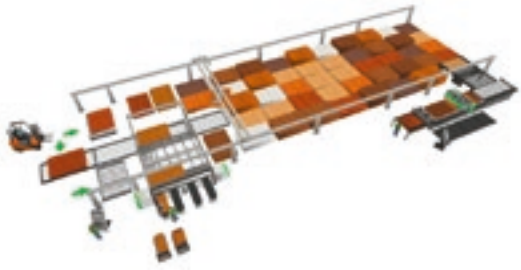
on-demand production;
small-batch production;
batch one production;
production of deferent sized components;
production of low volume components;
prototype production;
production of urgent panels;
production of missing panels.

PRODUCTIVITY

RBO WNS 3D K1

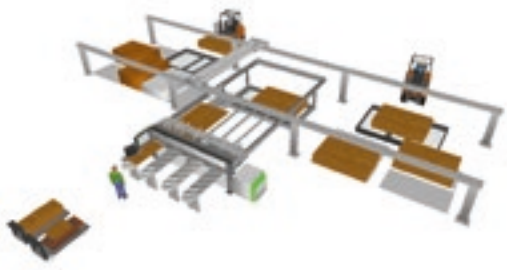
RBO WNS + 2 SELCO + ROVER

RBO WNS 3D K1



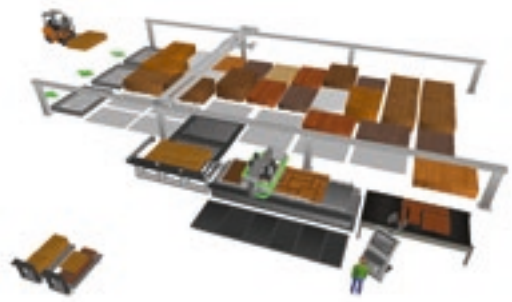
RBO WNS + SELCO + ROVER

RBO WNS 3D K2



RBO WNS + SELCO

RBO WNS 3D K1



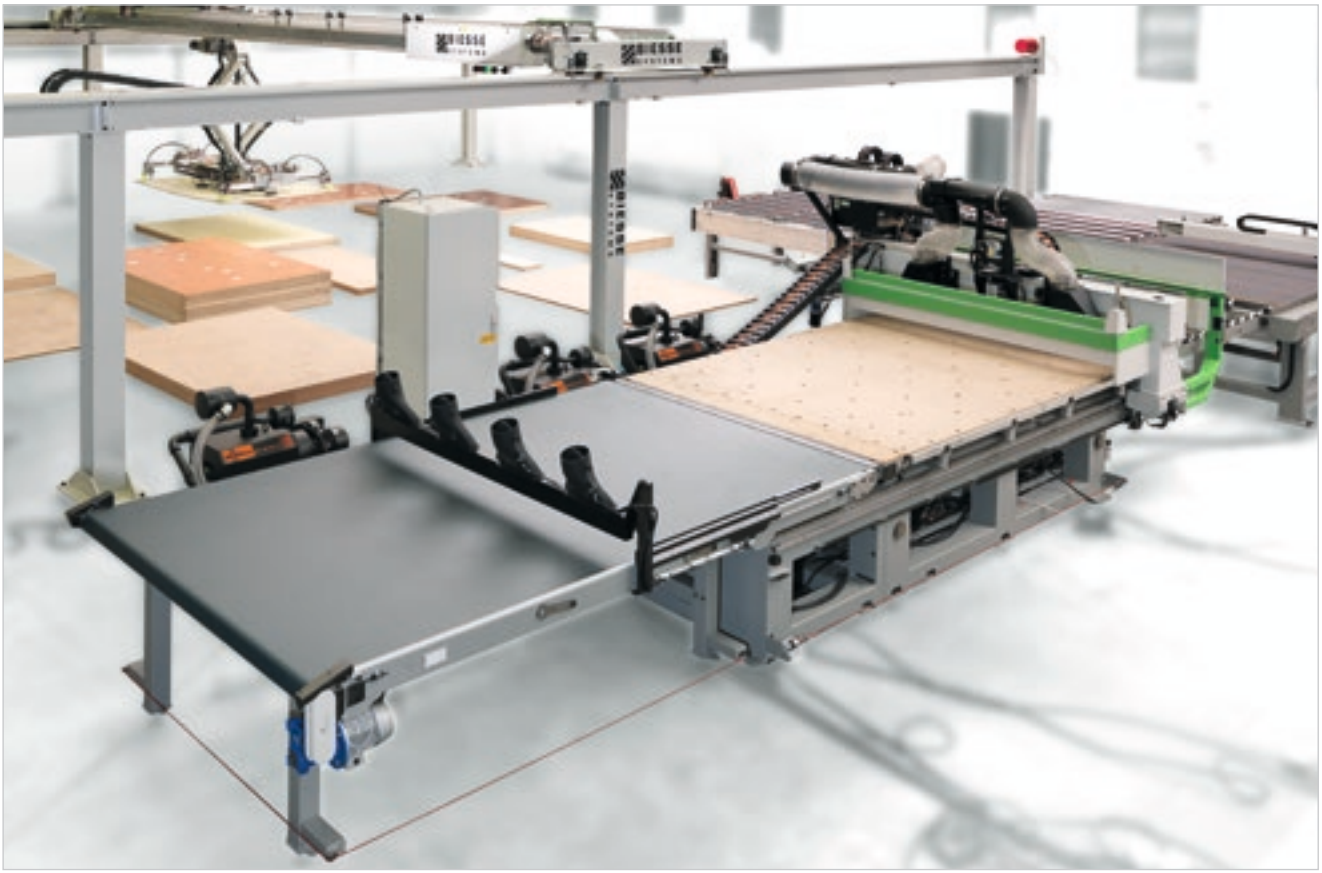
RBO WNS + ROVER

RBO WNS 3D K2

FLEXIBILITY

Integration into the production line

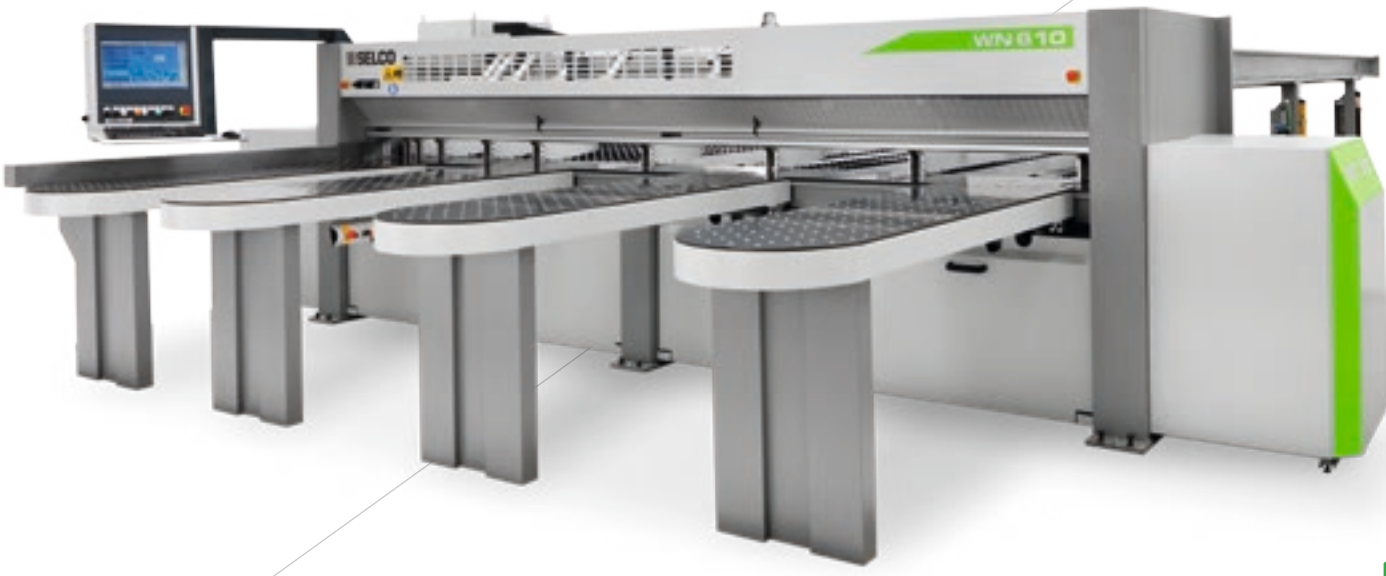
RBO WNS can be integrated into nesting and sizing cells with a significant increase in productivity. Thanks to the proximity and availability of the panels, it is possible to substantially increase cell productivity compared to manual loading methods using a forklift truck.



Biesse sizing and nesting solutions

Rover B FT is the new NC processing centre with a gantry structure and FT work table not only for the nesting of panels but also for small doors, furniture components and frames for sofas.

WN is a range of high-performance, single-line sizing machines that has been designed and produced to meet the requirements of large furniture manufacturers.



Slick and efficient production flow

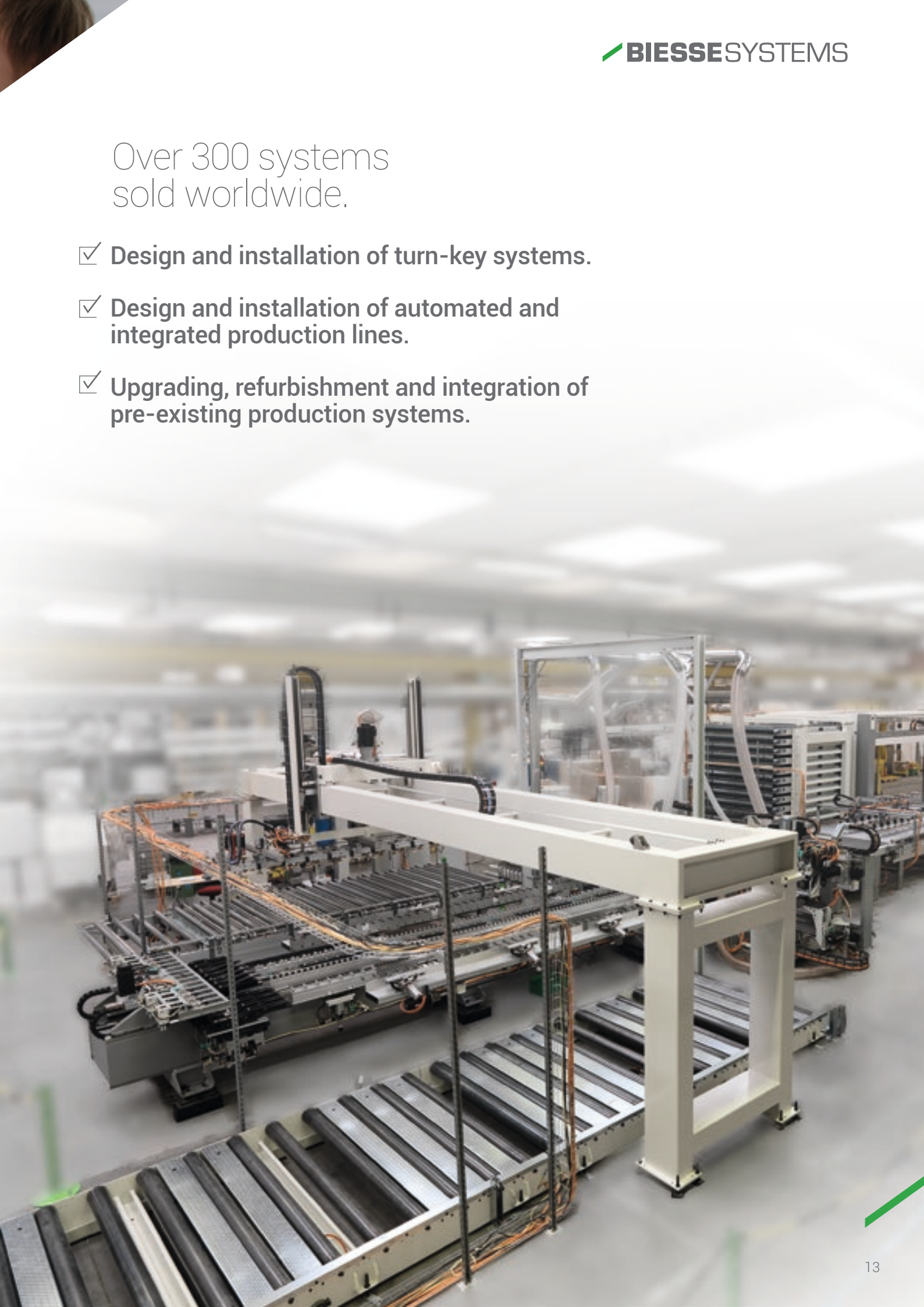
Design of integrated lines over 100 metres long

BiesseSystems provides a full project consultancy and management service to companies who wish to implement integrated technology solutions for their manufacturing processes.

A team of sector experts, capable of understanding and anticipating company needs, work with the customer from inception through to system installation and commissioning.

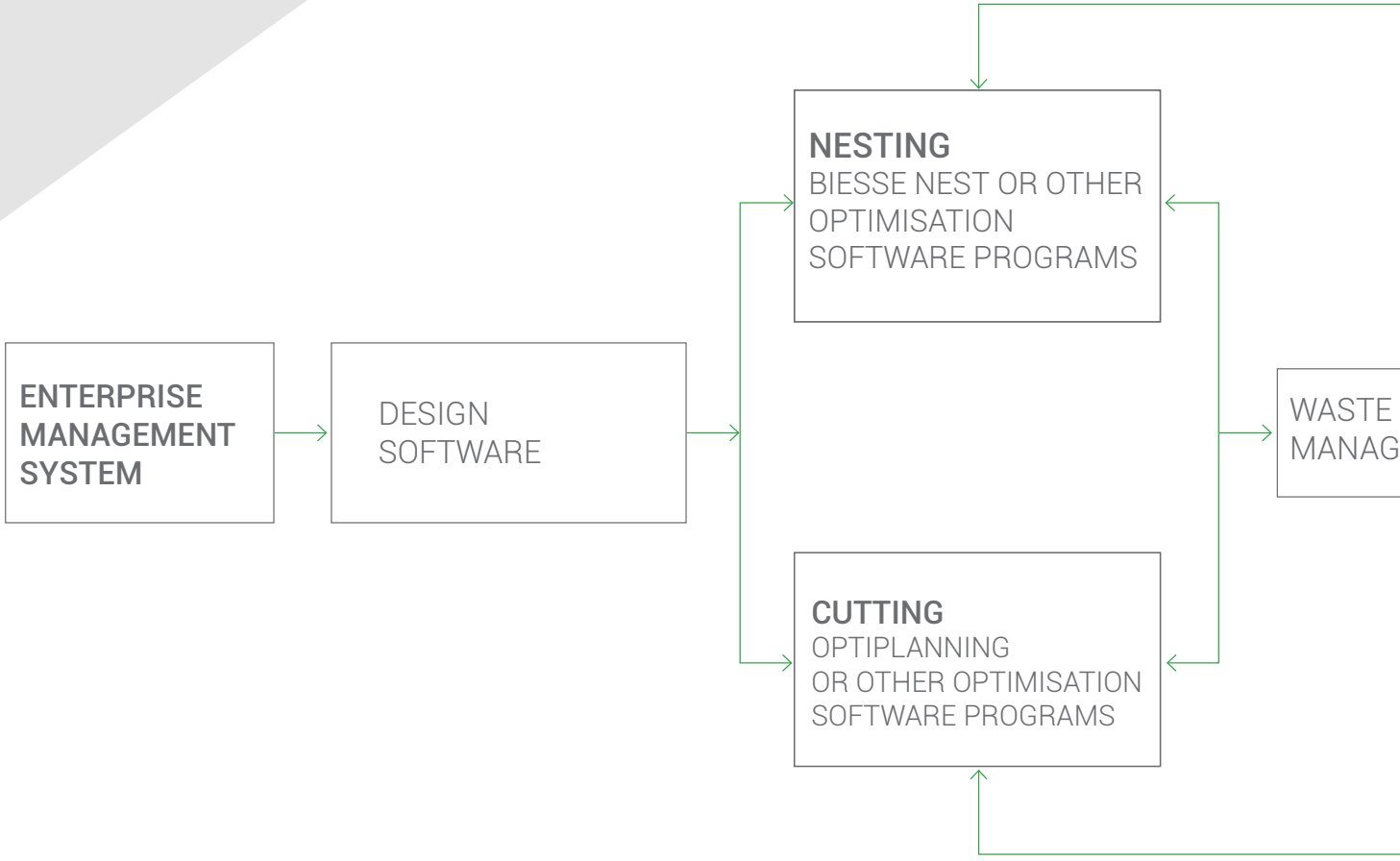
Over 300 systems sold worldwide.

- ☑ **Design and installation of turn-key systems.**
- ☑ **Design and installation of automated and integrated production lines.**
- ☑ **Upgrading, refurbishment and integration of pre-existing production systems.**

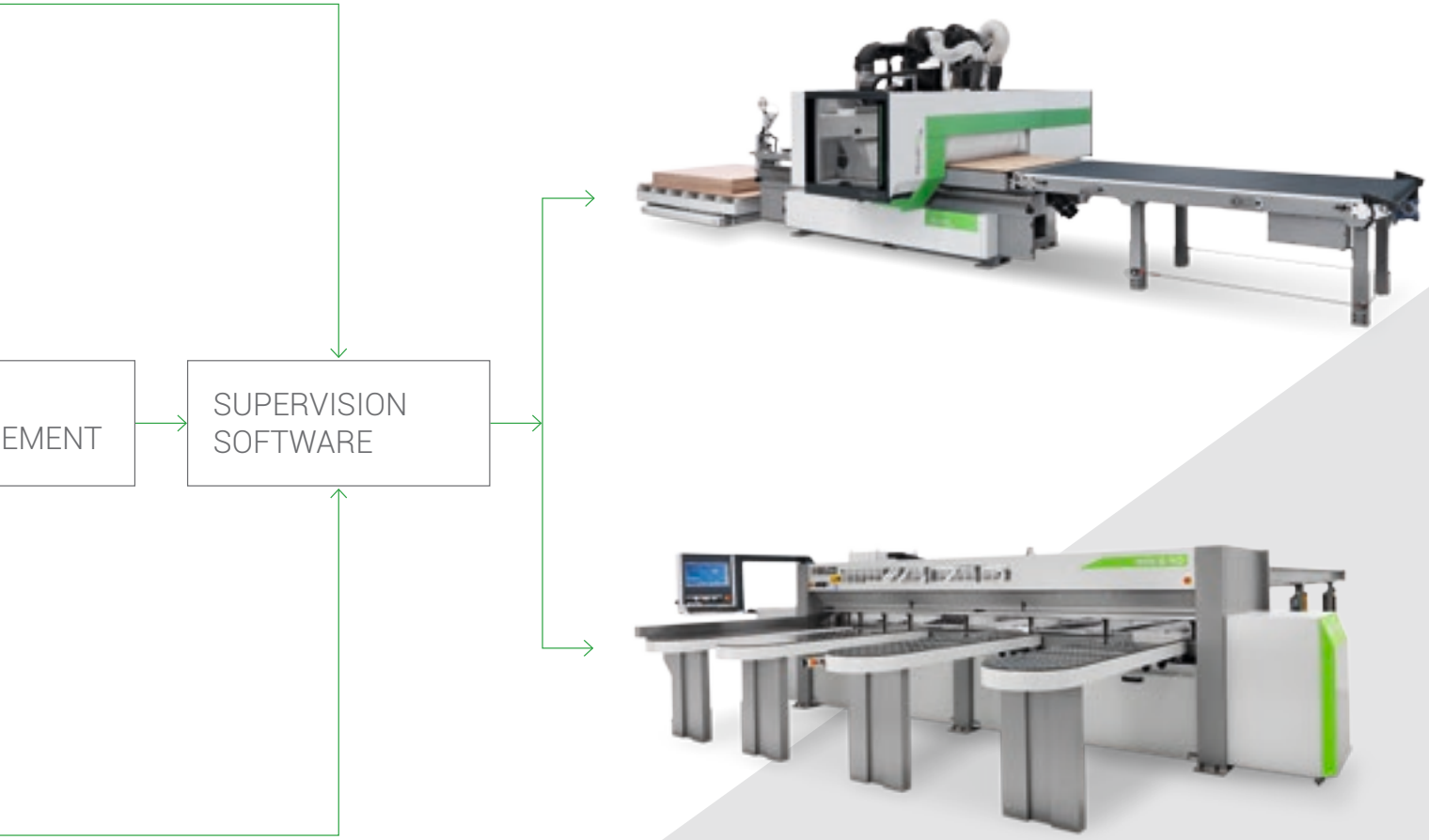


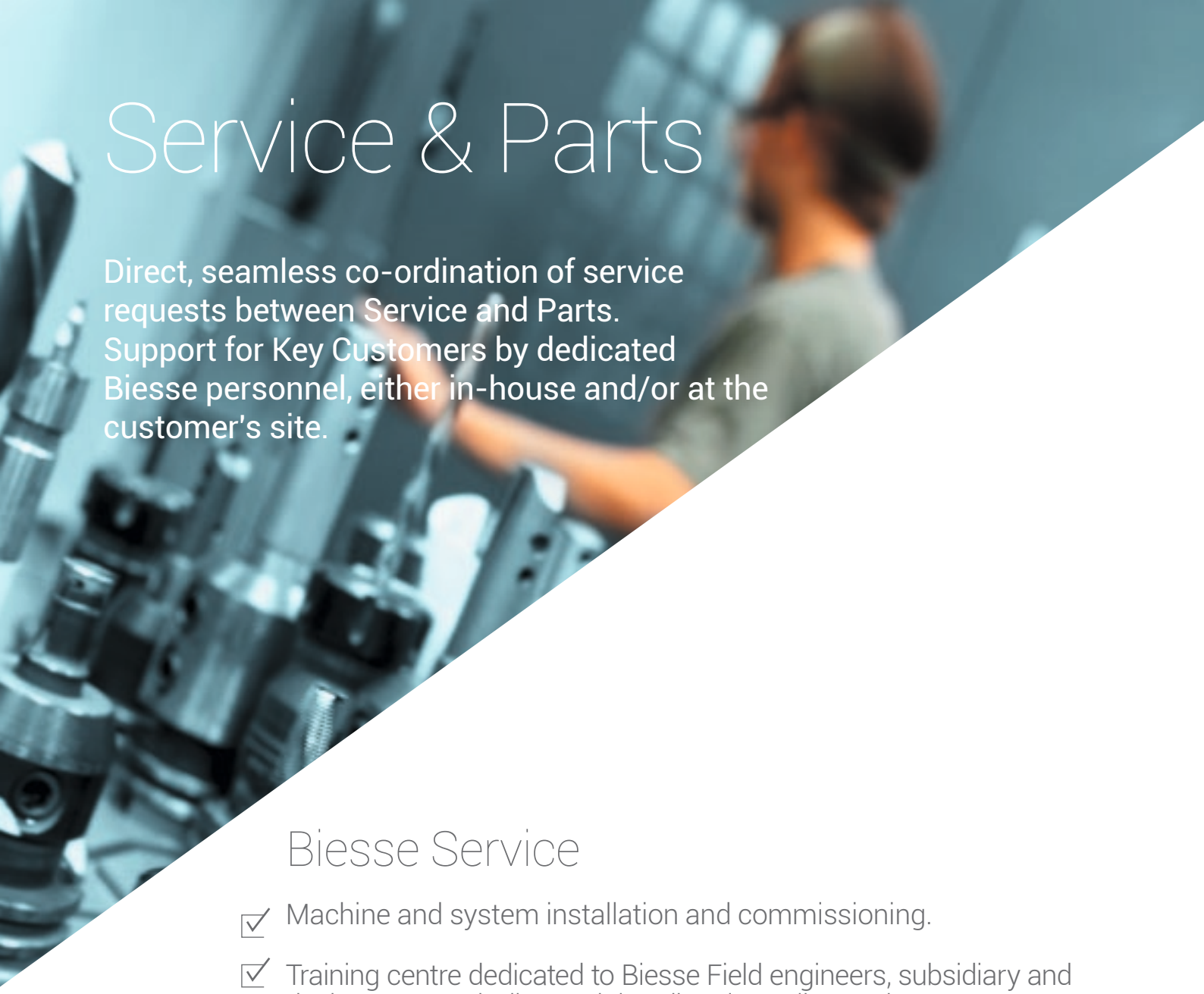
Integration of information flow

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



Full integration of cell software with plant enterprise management system.





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 specialised 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 customised 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 fulfilment time optimised thanks to a global distribution network with de-localised, automated warehouses.

87% — of downtime machine orders fulfilled within 24 hours

95% — of orders delivered in full on time

100 — spare part staff in Italy and worldwide

500 — orders processed every day

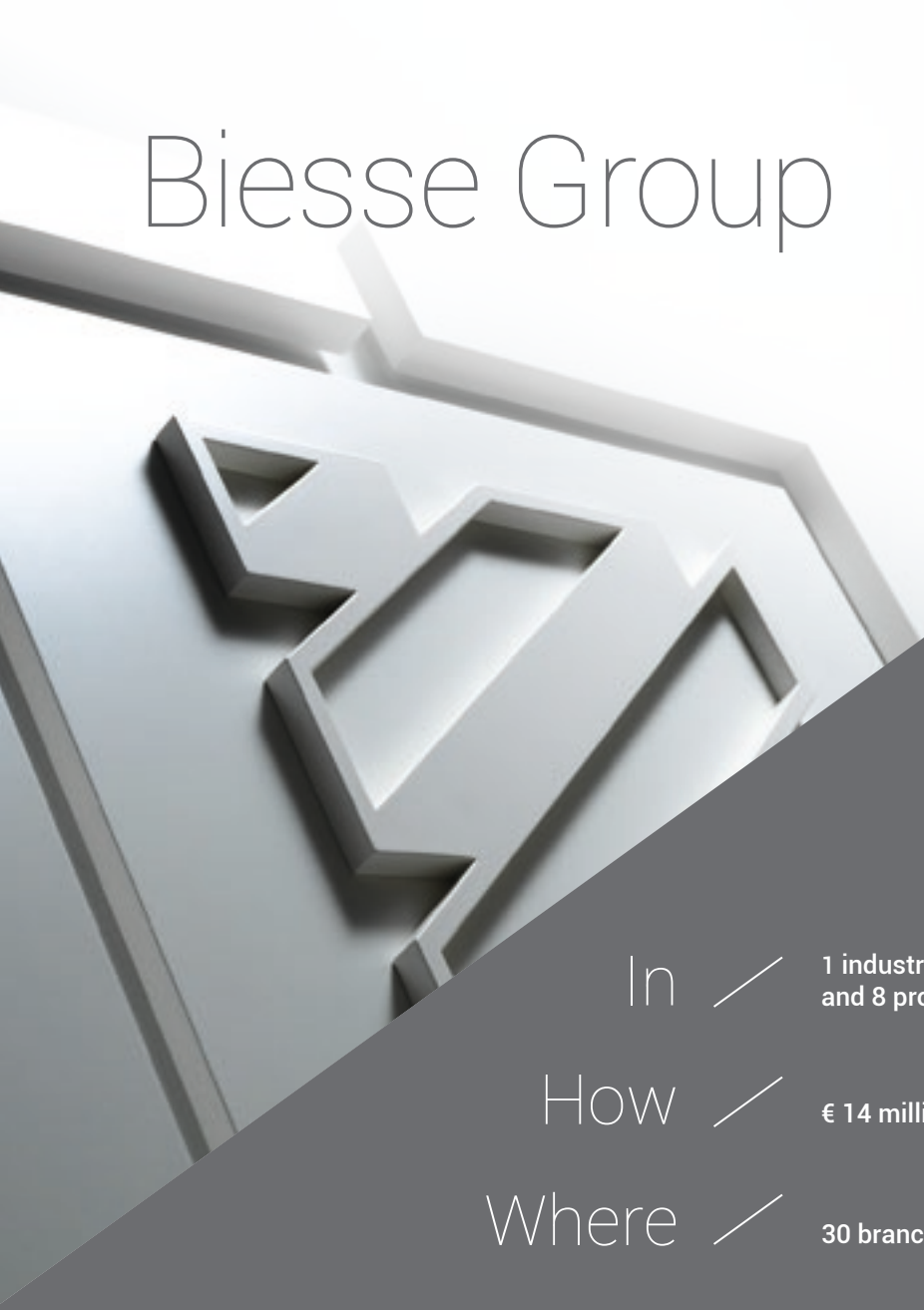
Made With Biesse

The Biesse Group's technology supports the manufacturing efficiency of the world's largest furniture manufacturers

"We were looking for a solution that was so cutting-edge as to meet all our needs at the same time", states the manufacturing manager of one of the largest furniture manufacturers in the world. *"Most of our production was already made using numerical control tools, but now everything that we produce is made with these technologies. This is why it was necessary to increase our production capacity. Biesse offered a solution that we liked very much, an authentic line of processing centres and automatic magazines. Innovative, fascinating and decidedly powerful. With Biesse we defined a "turnkey" solution to be planned, built, tested, installed, inspected and commissioned within a precisely defined schedule.*

Source: excerpt from an interview with the manufacturing manager of one of the world's largest furniture manufacturers.

Biesse Group



In — 1 industrial group, 4 divisions and 8 production sites

How — € 14 million p/a in R&D and 200 patents registered

Where — 30 branches and 300 agents/selected resellers

With — 80% of its customers abroad

We — 2,700 employees throughout the world

Biesse Group is a multinational leader in the technology for processing wood, glass, stone, plastic and metal.

Founded in Pesaro in 1969, by Giancarlo Selci, the company has been listed on the Stock Exchange (STAR segment) since June 2001.

BIESSEGROUP

BIESSE / INTERMAC / DIAMUT / MECHATRONICS

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