

ROS

INTEGRATED ROBOT
SOLUTIONS



 **BIESSE**

YEARS


 **BIESSEGROUP**

AUTONOMOUS TECHNOLOGY

AUTOMATION IS THE NEW BIESSÉ CONCEPT THAT REPRESENTS THE PRACTICALITY OF THE NEW TECHNOLOGICAL INNOVATIONS DEVELOPED BY THE COMPANY TO CREATE NEW BUSINESS MODELS BASED ON AUTOMATED, INTERCONNECTED PRODUCTION. PRODUCTS, NO LONGER PROTOTYPES. ACTIONS, NOT WORDS. NUMBERS AND RESULTS!



The top half of the page features a photograph of two men in a factory setting. The man in the foreground is smiling and has a beard. The background is slightly blurred, showing industrial equipment. The entire image is overlaid with a semi-transparent green filter.

BIESSE OFFERS ITS CUSTOMERS PRAGMATIC SOLUTIONS FOR FACTORY AUTOMATION

ROS robotised solutions ensure a marked increase in production and total reliability of both the production process and the unloading operations, even in a wider context of industrial automation.

ROS

- ✔ **CONSTANT RELIABILITY OVER TIME**
- ✔ **OPTIMISATION AND SIMPLIFICATION OF THE PRODUCTION PROCESS**
- ✔ **VERSATILITY AND EFFICIENCY**
- ✔ **INTEGRATION IN THE PRODUCTION FLOW**
- ✔ **CONSISTENT QUALITY.**

OPTIMUM INTEGRATION WITH THE ENTIRE BIESSE RANGE

A multitude of Biesse solutions using ROS.



MACHINING CENTRES + ROS

ROS are designed to handle the panels in predefined times and always with the same quality standard, to ensure versatility and efficiency, thereby facilitating the operator's work with the machine.



CONSTANT RELIABILITY OVER TIME

PANEL SAWS + ROS

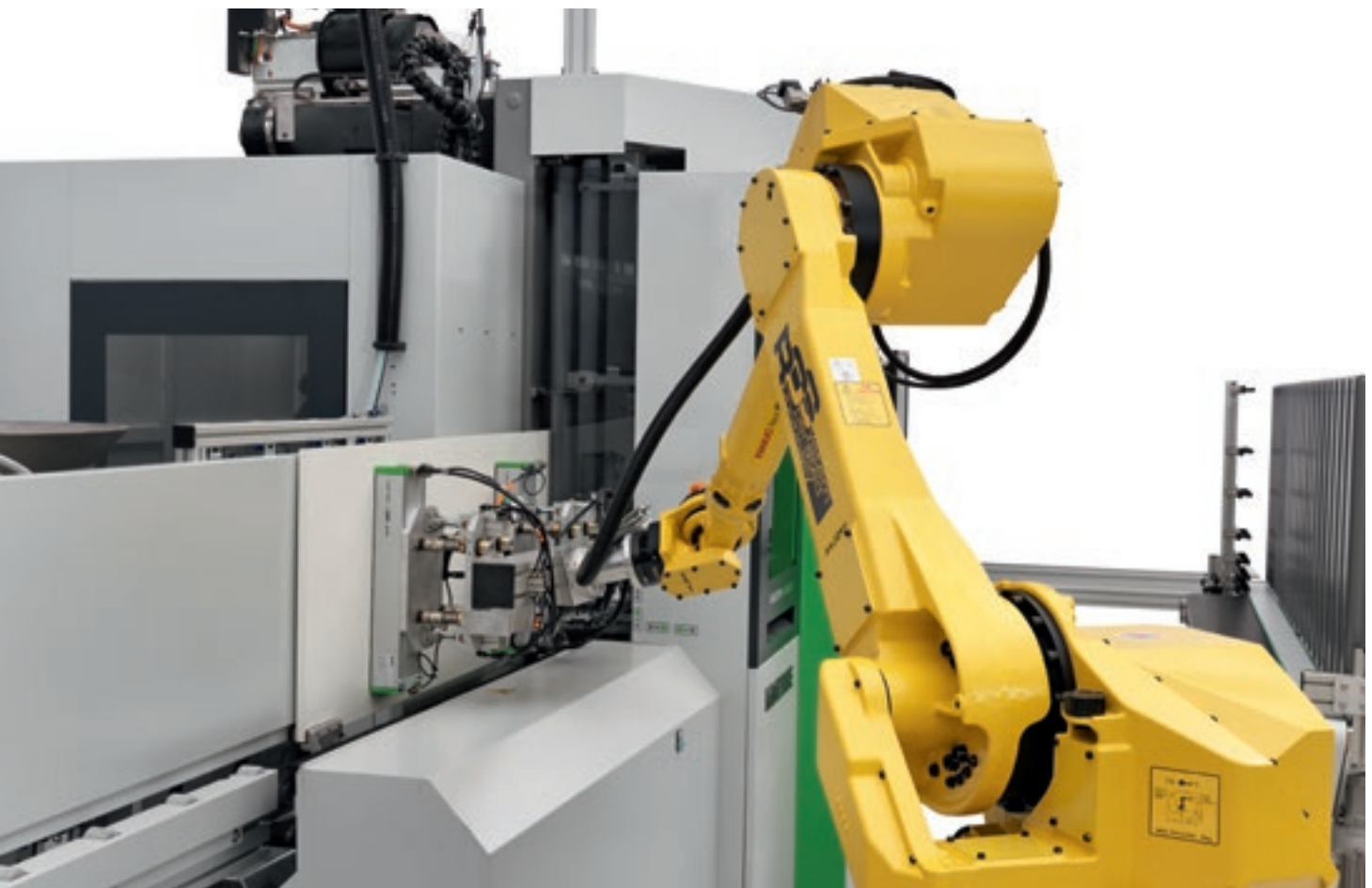
Robots that increase efficiency and production continuity. ROS take the place of the operator, handling the sectioned strips longitudinally, positioning them for cross sectioning, and sorting the finished pieces.



OPTIMISATION AND SIMPLIFICATION OF THE PRODUCTION PROCESS

BORERS + ROS

Idle times are drastically reduced, and the risk of damage to the material due to panel handling by the operator is practically nil.



VERSATILITY AND EFFICIENCY

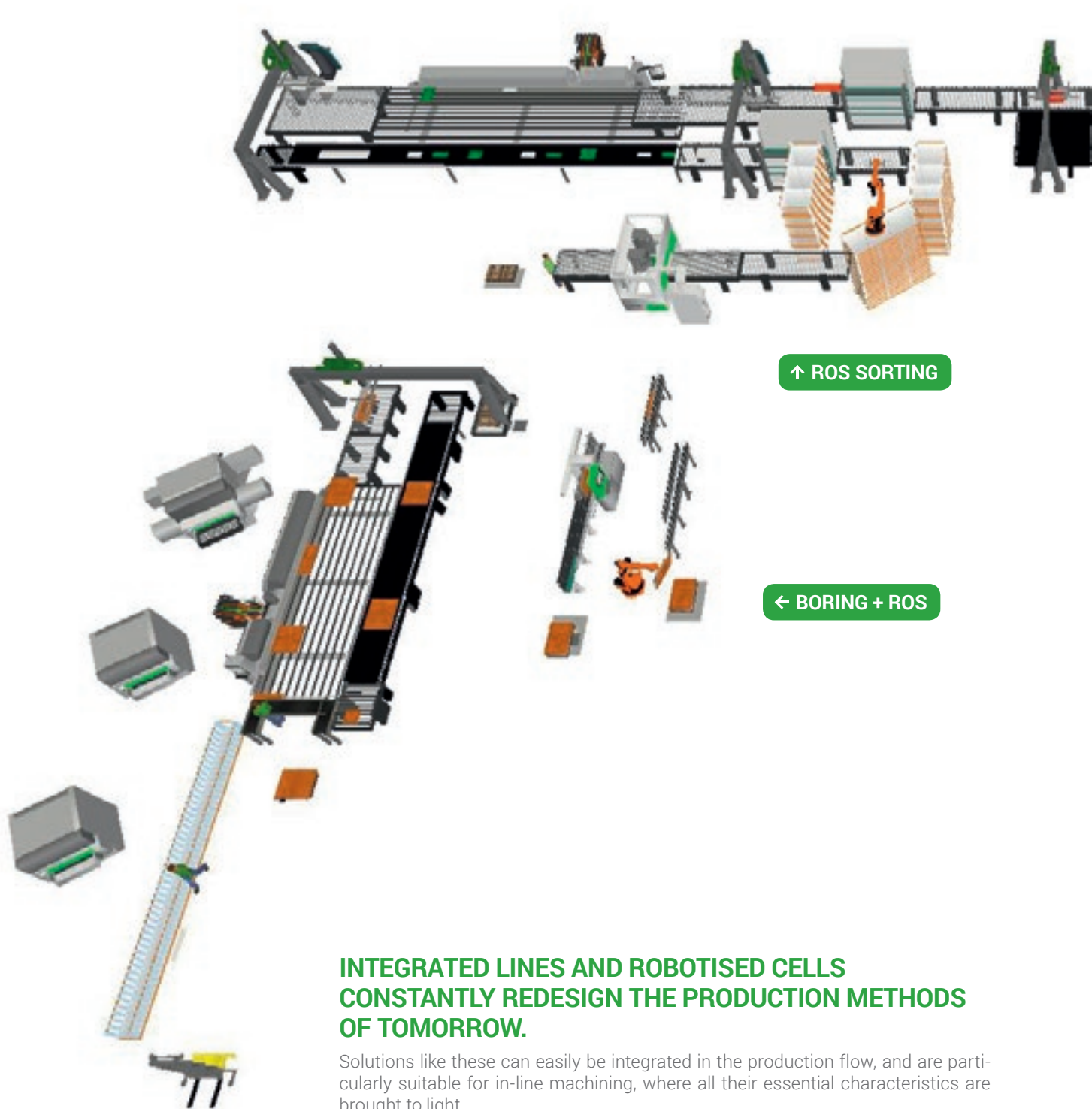
SMOOTHING MACHINES + ROS

Thanks to their compact size and solidity, and their ability to move around, they can move and rotate the panels, automating the machine loading/unloading processes and allowing the operators to carry out other added value tasks.



A range of integrated solutions
to meet specific productivity,
automation and space requirements.

PERFECT INTEGRATION IN THE PRODUCTION FLOW

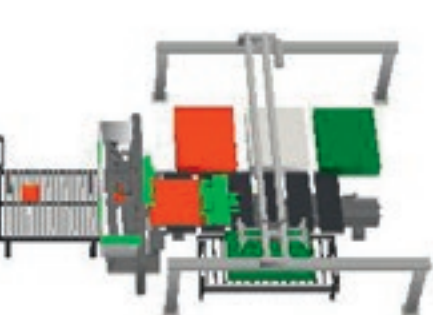


INTEGRATED LINES AND ROBOTISED CELLS CONSTANTLY REDESIGN THE PRODUCTION METHODS OF TOMORROW.

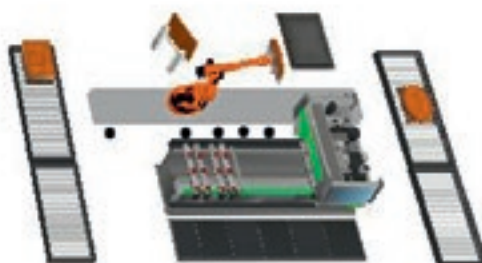
Solutions like these can easily be integrated in the production flow, and are particularly suitable for in-line machining, where all their essential characteristics are brought to light.

MACHINING CENTRE + ROS ↓

SECTIONING + ROS ↓



MACHINING CENTRE + ROS →



SMOOTHING + ROS ↓



Intelligent machines that carry out repetitive cycles to guarantee optimum production efficiency. ROS solutions combine versatility, efficiency and high investment returns.

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**

SERVICE & PARTS

Coordinamento diretto e immediato fra Service e Parts delle richieste di intervento. Supporto Key Customers con personale Biesse dedicato in sede e/o presso il cliente.

BIESSE SERVICE

- ✔ Installazione e start-up di macchine e impianti.
- ✔ Training center per la formazione dei tecnici Field Biesse, filiali, dealer e direttamente dai clienti.
- ✔ Revisioni, upgrade, riparazioni, manutenzione.
- ✔ Troubleshooting e diagnostica remota.
- ✔ Upgrade del software.

500

tecnici Biesse Field in Italia e nel mondo.

50

tecnici Biesse operanti in tele-service.

550

tecnici Dealer certificati.

120

corsi di formazione multilingua ogni anno.

Il Gruppo Biesse promuove, cura e sviluppa rapporti diretti e costruttivi con il cliente per conoscerne le esigenze, migliorare i prodotti e i servizi post vendita attraverso due aree dedicate: Biesse Service e Biesse Parts. Si avvale di una rete globale e di un team altamente specializzato offrendo ovunque nel mondo servizi di assistenza e ricambi per macchina e componentistica on-site e on-line 24/7.

BIESSE PARTS

- ✔ Pezzi di ricambio originali Biesse e kit ricambi personalizzati sul modello macchina.
- ✔ Supporto all'identificazione del ricambio.
- ✔ Uffici dei corrieri DHL, UPS e GLS resident all'interno del magazzino ricambi Biesse e ritiri multipli giornalieri.
- ✔ Tempi di evasione ottimizzati grazie alla rete di distribuzione capillare nel mondo con magazzini delocalizzati ed automatici.

92%

di ordini fermo macchina evasi entro 24 ore.

96%

di ordini evasi entro la data promessa.

100

addetti ai ricambi in Italia e nel mondo.

500

ordini gestiti ogni giorno.

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 would be so innovative that it would satisfy all our needs at the same time," states the manufacturing manager of one of the world's largest furniture manufacturers.

"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, a veritable range 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 to the manufacturing manager of one of the world's largest furniture manufacturers.

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.

