

# One Source Thousand Possibilities



Your Global Partner  
for Worldwide Assembly and Testing Automation

# Consistent Quality Worldwide



Dear readers,

the world is changing as never before in its history. And so does the world of automation.

Digitalization, connectivity, networked manufacturing, agile processes, the possibility of real-time control, and sustainability have long since taken their firm place in the planning and construction of production plants. However, these new buzzwords have not replaced the "old" virtues in mechanical and plant engineering, such as robustness, reliability, precision and scalability, they complement them and, as it were, expand them almost without limits.

So what does it take today to survive in this competitive and highly diversified market? The answer cannot be found in a single sentence. One prerequisite is to

be able to deal flexibly with the new challenges and to always be on the lookout for the best combination of technology and what is economically feasible. Passion and enjoyment of innovative, technical solutions are fundamental to this. They are the impetus for constant further development. Without these factors, progress will come to a standstill and success will fall by the wayside. And people play a significant role in this. Our internationally operating teams, who drive projects forward together with verve, or the local specialists of the respective disciplines, who dedicate themselves to their tasks with enthusiasm, reflect a characteristic feature of BBS Automation: People do something for people.

On the basis of these values, characterized by a positive and respectful corporate culture, we face the topics mentioned at the beginning – as I think and feel: successfully!

Whether it is the production of components for autonomous or automated driving, complex systems for integrated logistics or networked

medical products that continuously monitor vital functions of the human body – BBS meets the challenges of uncompromising modernity and the highest quality standards.

We are committed to the evolutionary nature of the digital transformation in which we all find ourselves, in almost all areas of life. The technology that best serves people and brings the most benefits to humanity will prevail and survive in the long run. Innovation, globally, flexibility, agility and ultimately safety are the keywords that best describe both the work, the products and the attitude of BBS Automation.

You are cordially invited to get to know us on the following pages: our company, our passion and dedication, our products, technology and our goals, our vision and our commitment to act responsibly to leave a livable world for future generations. Please also visit our website at [www.bbsautomation.com](http://www.bbsautomation.com). We are looking forward to meeting you!

With best regards,  
Josef Wildgruber  
CEO, BBS Automation

## The 8 Phases

### The common path to a successful result

Our global footprint facilitates the coordination of multi-site, globally organized projects. BBS projects are managed within a real-time database, implemented – and continuously updated – since 1995. This tool provides accurate information to our project managers, allowing them to effect informed decisions in real time.





# All From One Source

The BBS Portfolio Covers the Entire Production Process



We specialize in solving problems. BBS is committed to providing engineering solutions which are not only financially feasible and structurally sound, but help improve safety, reliability and profitability. At BBS, assembly automation is constantly being redefined and researched to provide the best solutions for your specific manufacturing needs.

With a particular focus on quality assurance and continuous monitoring of the development process, we design innovative and lasting solutions for the automation market. At BBS, continuous development and progressive thinking, as well as

flexible and lean structures, are the stepping stones to a new industrial (r)evolution.

## **BBS provides top-quality service for the benefit of all customers worldwide**

- Highly economical standards solutions
- Global footprint of BBS
- Multilingualism of employees
- Tailored, customer-oriented solutions
- Optimized build times with 100% monitoring, reliability, quality
- High productivity, operating 24/7
- Global project management
- A key account team conducts each project

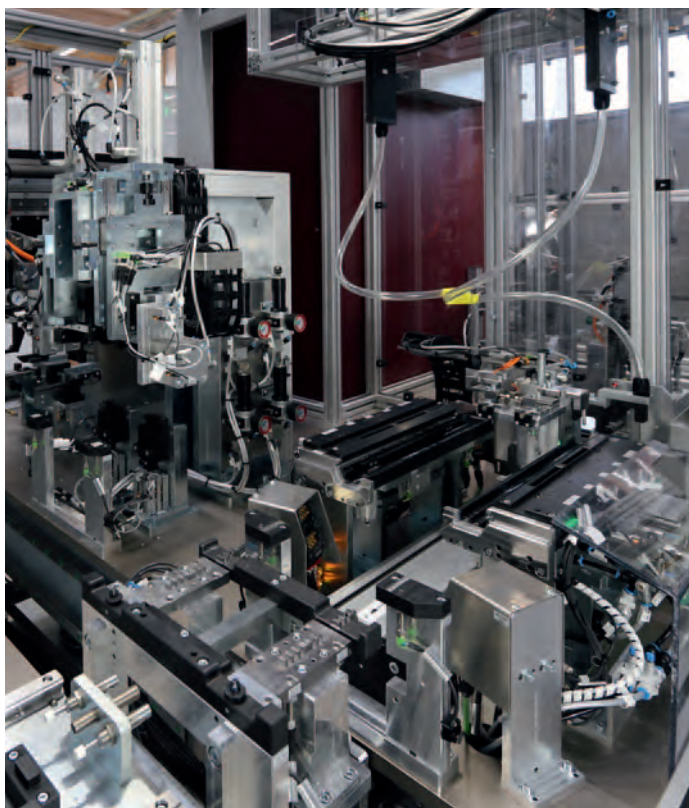
## Advanced Engineering

# Saving time and costs right from the start.

Our BBS specialists can place their knowledge and experience in developing automated production systems at your disposal even during the product development phase. Either on-site or at our premises, we use simultaneous engineering to create synergies that are particularly time- and cost-saving during the product development and production planning phases. Thus lengthy and extensive development loops can be avoided or reduced.

## Assembly Technology

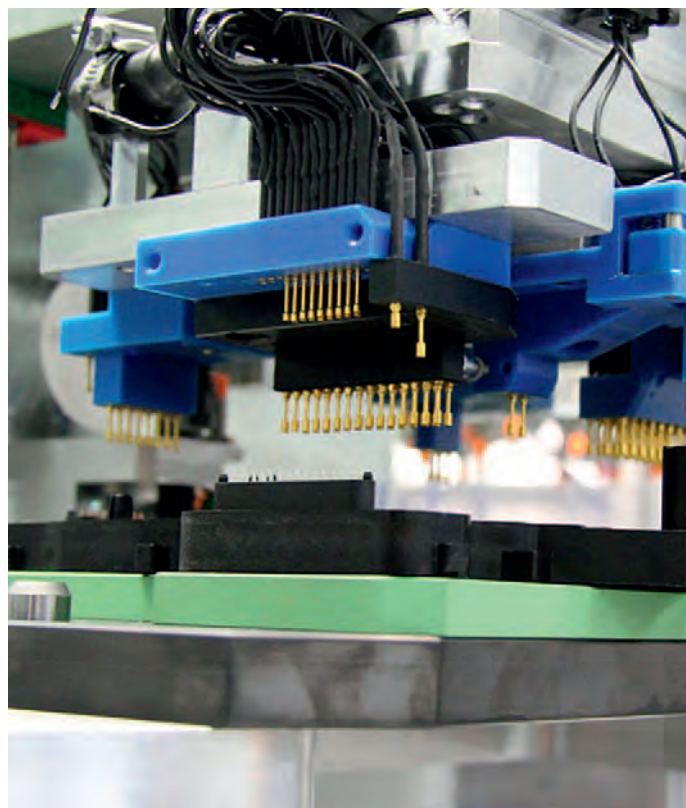
# Innovations for assembly and process automation



At BBS, assembly automation is constantly being redefined and researched to provide the best solutions to meet your specific manufacturing needs. With a dedicated focus on quality, BBS continues to design state-of-the-art solutions to produce the highest quality and most cost-effective equipment in the automation market.

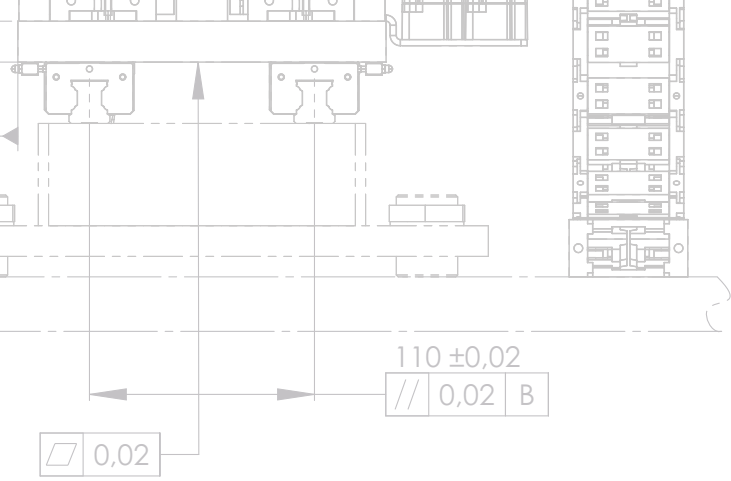
## Testing Technology

# Technical systems to ensure better quality



A complex product assembly process in a BBS assembly line is confirmed through testing technology and in accordance with your regulatory needs. The testing technology which will be utilized is dependent on your product demands. BBS has the experience to advise you regarding the best, economical and reliable testing technology approach available in the international market.





## Build-to-Print

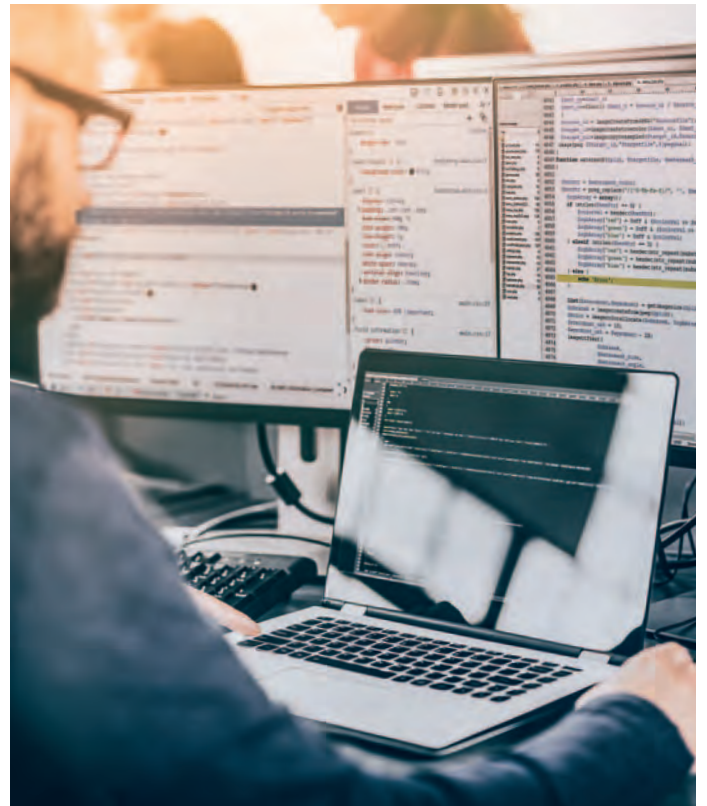
Single-source plant construction and production



Offering flexible automation solutions tailored to our customers, BBS has the technologies, expertise, and infrastructure to carry out build-to-print projects. Our full-service manufacturing facilities are able to react quickly and purposefully to your needs.

## Software Development

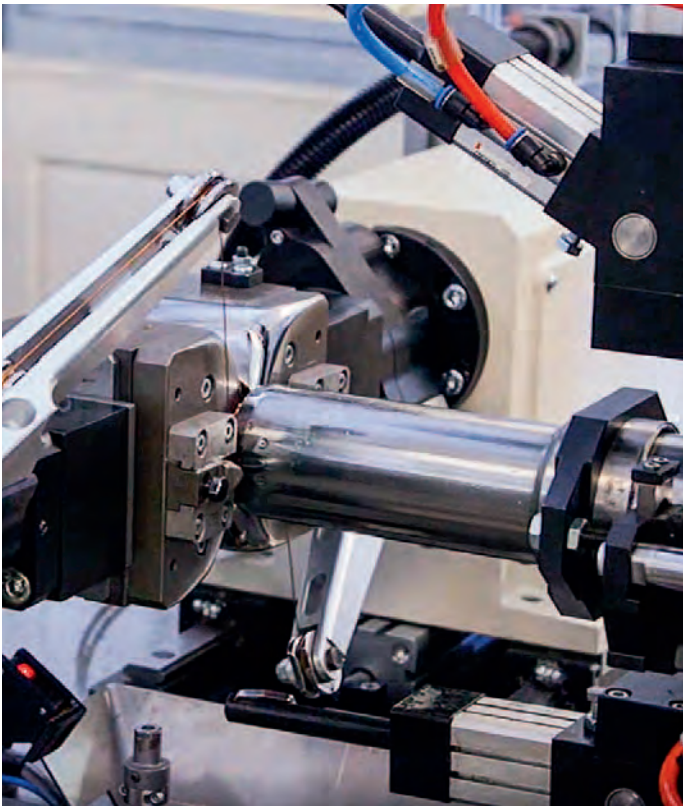
The way to industry 4.0



Networked production is on everyone's lips. However, this can only be achieved by using efficient, module-based software systems (AOS). Industrial software from BBS is created exclusively by automation specialists, is also highly customizable to project-specific conditions and ensures immediately measurable improvements.

### Winding Technology

Highest performance for innovative automation



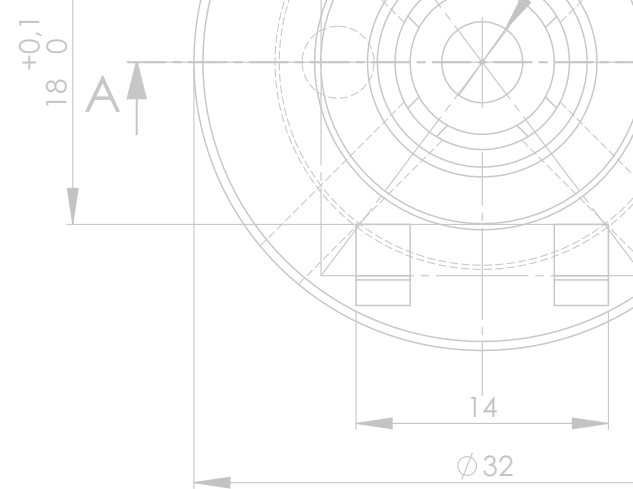
As a basic technology for the production of electric motors, winding technology is indispensable for a comprehensive automation offer. Our specialists have decades of experience in this field and produce sophisticated winding machines. These robust systems are integrated into our BBS production lines or offered as a stand-alone solution.

### Foundry Automation

Foundry technology and automation



Automation in connection with foundry processes and the associated automated processing methods for the manufactured components complete the technological portfolio of BBS Automation. A large number of successfully implemented projects in a wide variety of industries speak their own language.







# Solutions in Various Markets

Automation Systems from BBS are Recognized in the Strongest Industries

BBS is one of the leading providers worldwide of automated assembly and testing solutions, serving continental and global industry clients. BBS provides high-quality tailored solutions, with full operations capabilities and service support that covers every need.

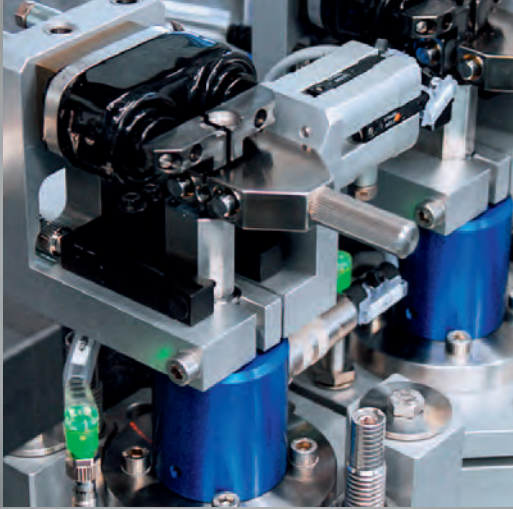
At the first meeting you will discover BBS' diversified knowledge in the assembly automation market. Furthermore, you will be pleased to experience a company that offers everything from something as small as laser diode assembly to solar panels to helium leak detecting and complete testing

systems. Our portfolio covers the entire spectrum of the manufacturing process. All from one source within the assembly automation market.

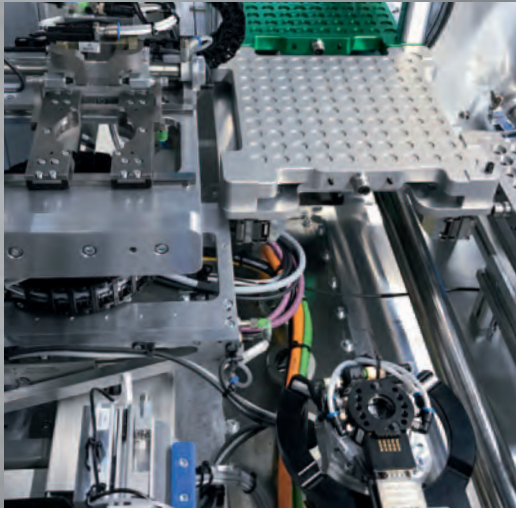
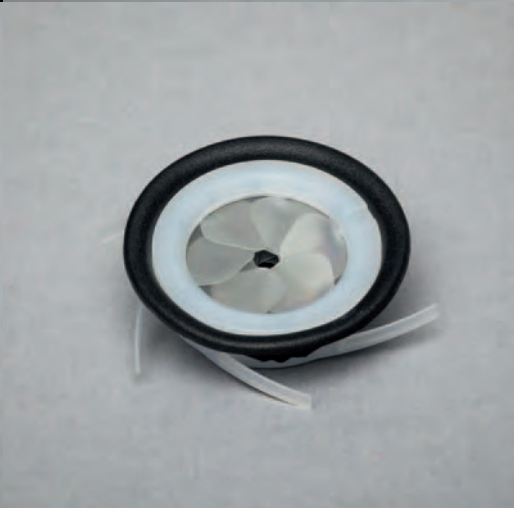
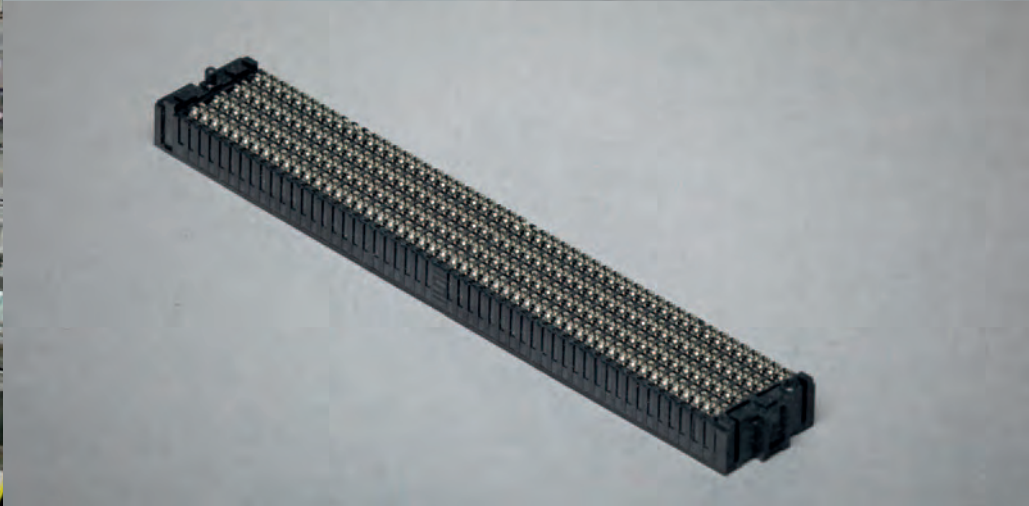
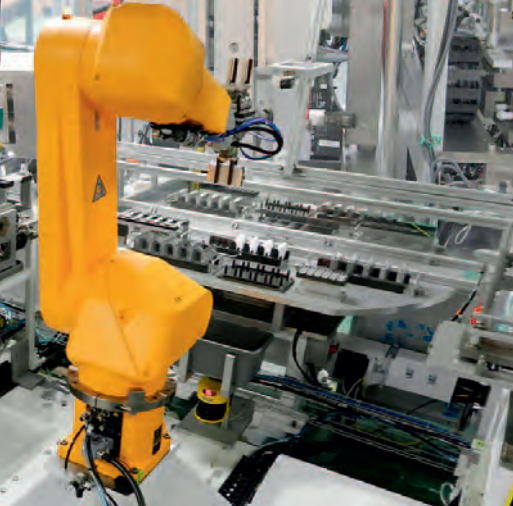
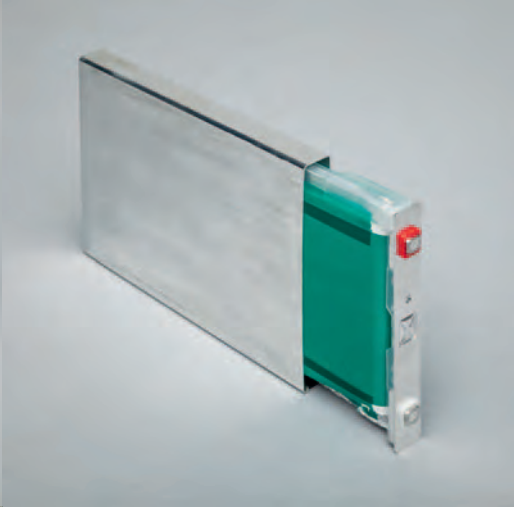
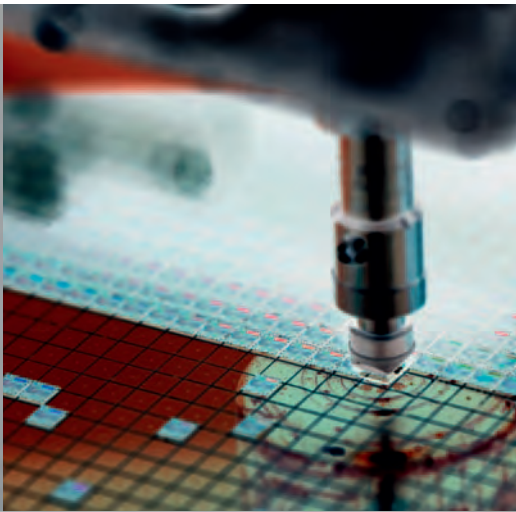
In order to be able to manufacture production systems in the high-precision range and under clean room conditions, we have created special production areas that meet the highest requirements.

Organized access authorizations for project-specific authorized personnel ensure maximum security and confidentiality.









# Shaping the 4th Industrial Revolution

## BBS High Tech Solutions for IIOT

As an innovative, global company, BBS Automation has developed a comprehensive solution that turns Industry 4.0 into reality: The BBS Smart Factory.

Smart Factory is the key to optimize the performance of facilities! Different software tools provide proven value in all departments like production, quality, maintenance and team management. With our experience we simplify daily operations and generate new opportunities for further business which secures a steady position in the competitive market.

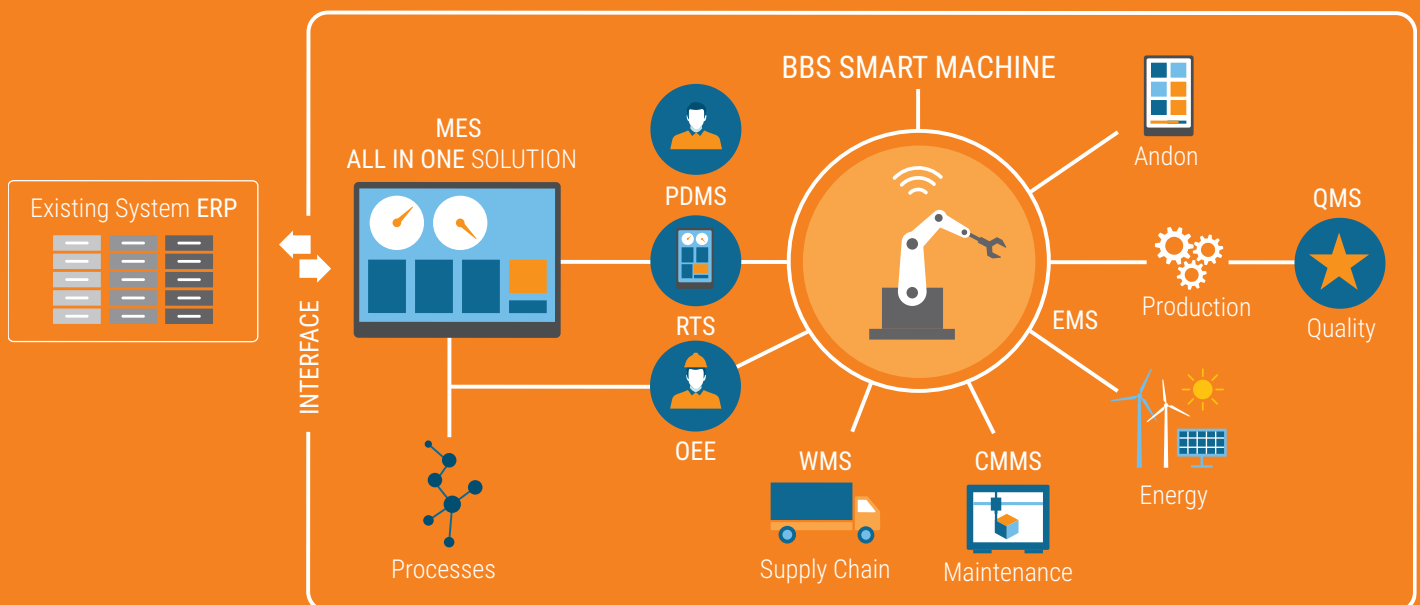
In the BBS Smart Factory, high-end machines and innovative software merge into a unique system. Our All-in-One solution ensures true transparency and better planning across the entire process chain. The Smart Factory offers a wide range of modular components that allow us to respond individually to technical conditions and business-relevant requirements.

Our BBS experts support from the first visit to the plant, through the creation of a digital roadmap, ensuring machine connectivity, implementation of hardware and software, to the creation of a Centre of Excellence.

**The functions of the BBS Smart Factory offer the following benefits:**

- Increase OEE
- Minimize downtimes and micro-stops
- Assure full traceability
- Line control with real-time data gathered directly from production
- Detect shortage and measure SPC to prevent material waste
- Prevent operator errors through step-by-step guidance

## THE BBS SMART FACTORY





# A Contribution to the Protection of our Environment



## SUSTAINABILITY AND GREEN AUTOMATION

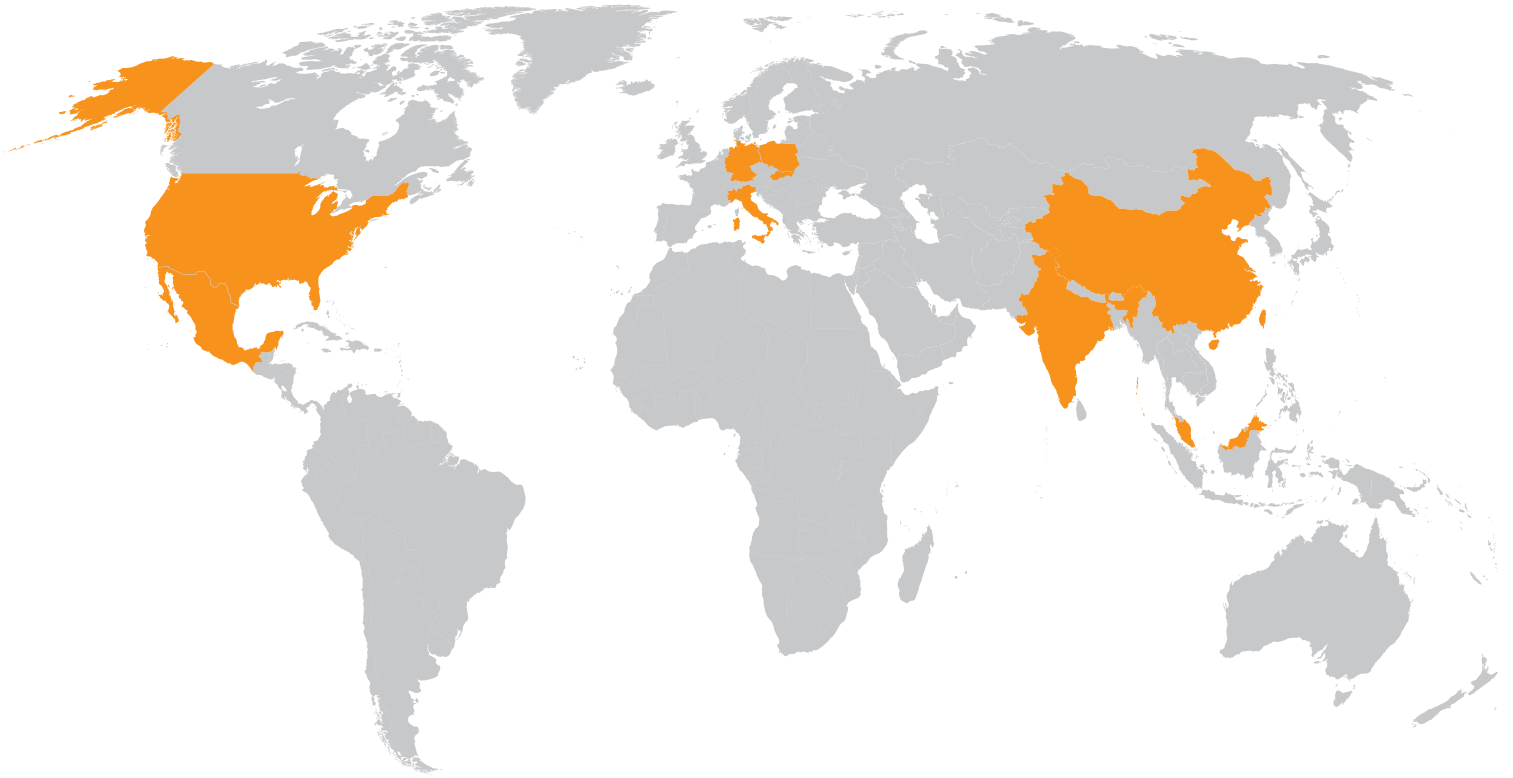
**Sustainability is realized in several ways at BBS: a clear commitment to the protection of our environment, which ultimately pays off.**

The engineers at BBS pay close attention to sustainable design when planning and designing customer's production equipment, which directly influences the choice of components and materials. In this way, the passive and active energy and resource consumption of a system can be significantly reduced in all phases of life. The conscious and economical use of media and energy contributes a further, not to be underestimated share when building production equipment under aspects of sustainability. A pleasing effect of all these efforts is the immediately realizable savings in the purchase and operation of a system.

But that's not all: in the end, BBS machines and systems also prove their worth in the manufacture of sustainable products such as LED lights, control systems for energy management in vehicles or test systems for energy storage systems and much more. State-of-the-art production and testing technology, global engineering and the use of up-to-date communication platforms are important components of the sustainability concept at BBS.

The focus of all our activities is always on people – whether employees, customers, consumers or just fellow human beings. Our motto is „People do something for people.“

# Your Global Partner for Worldwide Assembly and Testing Automation



**Germany** Munich · Blaichach

**Italy** Poggibonsi · Caravaggio

**Poland** Kraków

**Slovakia** Lipany

**USA** Chicago

**Mexico** Guadalajara

**China** Kunshan · Suzhou · Tianjin

**India** Pune

**Malaysia** Penang

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