

Partner for Industry 4.0 und IoT

Over 35 years, we have gained a broad foundation of experience and competence in the field of industrial automation and MES (Manufacturing Execution System).

As a result, our customers benefit from concentrated, tried-and-tested know-how. Our expertise ranges from project management, analysis and design to the servicing and maintenance of systems. We would like to accompany and support you on your road to Industry 4.0 and the digital future.

An experienced team knows the mechanisms of modern technologies. Our self-perception is based on the highest standards of quality. Reliability, loyalty and flexibility distinguish us from others. As an independent company, we have national and international connections and work together with notable system engineers and machine manufacturers. Our subject areas include project management, analysis and design up to the servicing and maintenance of systems. This holistic approach enables solutions anywhere from machine controls to ERP interfacing and rewards us with the sustained satisfaction of the users.

Industrial sectors

- pharmaceutical sector
- medical sector
- plastics sector (injection moulding/extrusion)
- automotive sector
- packaging sector
- beverages sector
- watchmaking sector
- foundry sector

Certifications

Quality is important to us and the foundation for a successful customer relationship.



Network and partner

Sales partners



Benelux

Partner in Plastics
NL-2743 DP Waddinxveen

England/Ireland

Plastech Solutions Ltd.
UK-Staffordshire WS15 1UL
www.plastechsolutions.co.uk

Denmark/Sweden

Saxe Hansen A/S
DK-Vaerlose
www.saxe-group.com

Smart Automation Group

We are technology partner with the Smart Automation Group. Thanks to this membership, we have access to a worldwide network and its availability of sales, support and services.



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Our competence
for your entry
into the Industry 4.0

bfa solutions ltd

MES PiSolutions

Thanks to our MES competence, we realise sustainable solutions for our customers and are a reliable partner in the Industry 4.0 and IoT environment.

Our in-depth expertise in the field of automation engineering enables us to speak the same language as the plant manufacturers and distinguishes us from the classic MES providers. For a successful solution, we implement our own MES PiSolutions.

MES PiSolutions is the modular building block system for our industry solutions PiInject, PiAssembly, PiGateway and PiOEM. Together with our customers, we define what is to be achieved by using an MES.

Automation Engineering

Engineering in automation has been part of our credo since the company's founding and we support machine and plant manufacturers from various industries.

As an experienced partner, we support our customers in making the machines of the future more intelligent and efficient. Our MES team can realise solutions in collaboration with you in any area of automation and digitalisation.

As a service provider in the field of automation engineering, we supply everything from pure consulting projects to the commissioning and maintenance.

Software Engineering

Software engineering complements our competencies in the field of industrial automation. Key terms, such as smart factory, IoT and digitalisation, have always been part of our core competencies.

Along with reliability, quality and responsibility conscientiousness, we combine the areas of the classic automation and software development and implement comprehensive solutions.

PiInject

Industry solution for plastic injection moulding

PiAssembly

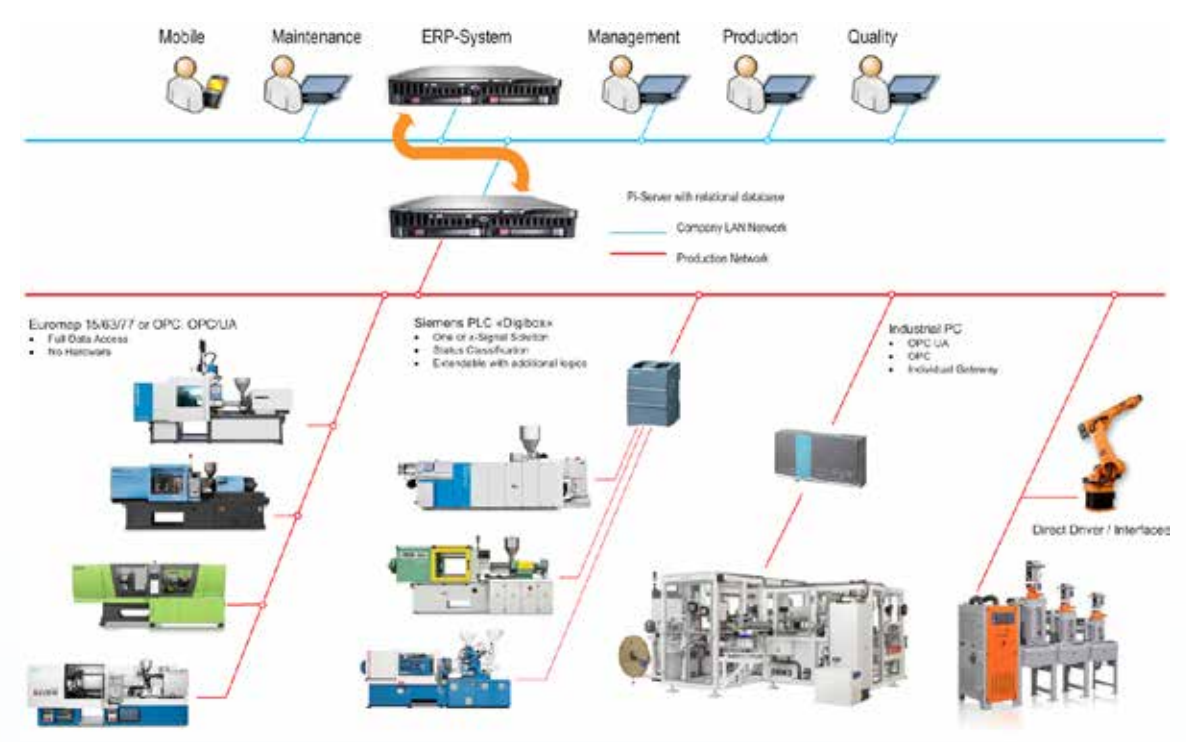
Industry solution for assembly and test automation

PiGateway

Transparency during production for all machines

PiOEM

In collaboration with the machine manufacturer to a smart machine



PiInject

PiInject is the industry solution for plastic injection moulding from our PiSolutions modular building block system. PiInject provides you with a comprehensive solution which, in addition to collecting and visualising basic data, focuses on monitoring and maintaining quality and traceability. We want to understand our customers' processes and part of this is the professional collection of customer requirements. This guarantees a successful introduction of the system, as well as system operation.

The foundation of a good MES provides a secure and stable interface connection to the machines and peripherals. This is complemented by consistent and high-performing data transmission and storage. It does not only support new standards, such as OPC UA/euromap77 from the industry 4.0 environment.

PiAssembly

Our customers build plants in the area of special purpose machinery and the number of lines, cells and stations are different in each case. The modular configuration of PiAssembly assists in the setup of the system topology. In order to guarantee a fast and consistent communication between the PLC system controls and PiAssembly, we provide our customers with standardized communication blocks.

Our knowledge in the field of PLC programming is highly appreciated and, in collaboration with the customer's software specialists, allows for an effective realisation from specification to commissioning. The benefits of PiAssembly are already evident in the case of a single plant. Alarm messages help to analyse start-up problems quickly and efficiently, and to measure the acceptance date without much effort. Production quantities, missing parts, waiting times, faults, etc., are collected and compiled in a report. With PiAssembly, we also profit from our many years of experience in the development of interfaces.

PiGateway

A PiGateway solution allows for transparency during production by enabling the collection of data for all machines. The interfaces from the PiSolutions modular building block system allow for the extraction of data from, for example, injection moulding machines, assembly machines, test equipment or peripheral devices from various manufacturers. For our customers in the field of plastic injection moulding, we offer a standardised solution with a clearly defined information content.

PiOEM

We accompany the machine manufacturer on the road to the smart machine. The option PiOEM is geared towards machine manufacturers who are seeking new ways to monitor the production and servicing of their machines and production lines, as well as the integration of superordinate control systems, etc. The design of the completed product reflects the customers' branding.