



INDUSTRIAL AUTOMATION SOLUTIONS

MACHINES – ENGINEER TO ORDER
BUILD TO PRINT MACHINES

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Motek designs and builds tailor-made solutions to extend the service life of industrial systems, ensure operational continuity, and bring machinery into line with the latest technological and safety standards.



SPECIAL-PURPOSE MACHINES ENGINEER TO ORDER

Every Motek special-purpose machine is designed to meet a unique industrial automation requirement.

Motek adopts an Engineer To Order (ETO) approach to develop fully bespoke solutions, designing them from scratch to meet specific process, space and performance requirements.

Integrated expertise and mechatronic approach

The entire process – from the technical inspection to commissioning – is managed in-house, combining **mechanical, electrical and software** expertise in a single mechatronic architecture.

Each project is based on the analysis of production flows, the assessment of plant constraints and the identification of the most relevant performance parameters: **precision, speed, repeatability and safety**.

Application sectors

Motek manufactures specialised machines for a wide range of sectors, **from food & beverage to textiles, from packaging to precision engineering, from the automotive and medical sectors to precious metals and motorsports**.

For Motek, no sector is off limits: every project is a new challenge in applied engineering, an opportunity to transform complex requirements into tangible results and successful automation solutions.



Advanced technologies and features

Motek's special-purpose machines are developed using a bespoke approach with meticulous attention to every detail, integrating robotics, machine vision, motion control and intuitive HMI interfaces, right through to remote monitoring and diagnostics.

Energy efficiency and sustainability

They are designed to ensure maximum energy efficiency, combining electricity recovery and re-injection systems, low-maintenance components and design solutions that ensure low levels of noise and operational comfort.

Integration with existing lines

Each machine integrates seamlessly with existing production lines and systems, adapting to the mechanical, electrical and software interfaces of the customer's plant, for smooth and uninterrupted implementation.

Testing and certifications

All Motek special-purpose machines undergo FATs (Factory Acceptance Tests) and SATs (Site Acceptance Tests) in accordance with established internal procedures, and are accompanied by CE certifications (for the EEA) and UL and CSA certifications (for the USA and Canada) attesting to their full international compliance.

BUILD TO PRINT MACHINES

Motek manufactures Build To Print (BTP) machines according to detailed, client-provided drawings and specifications.

THE OPERATIONAL MODEL

This production model is designed both **for end-user companies with their own design and development facilities** and for **machine manufacturers** who wish to entrust the realisation of their projects to a partner that can handle complete technical execution and certification.

MANUFACTURING AND ENGINEERING PARTNER

Motek acts as a **manufacturing and engineering partner** capable of combining production skills, precision and industrialisation.

Each project is analysed and validated through a **co-design process**, working together with the customer's designers to optimise the original design in terms of construction, materials and technologies.

This collaboration guarantees **reliability, guaranteed lead times and consistent quality**, regardless of the complexity of the project.



Technical rigour and optimization

Motek's Build To Print solutions stand out for their technical rigour, precision in construction and traceability at every stage.

The experience gained across various sectors enables Motek to anticipate potential issues, as well as propose improvements and ensure seamless mechanical, electrical and software integration with existing lines and systems.

Testing and certifications

Every machine manufactured for third parties undergoes a FAT (Factory Acceptance Test) and SAT (Site Acceptance Test) in accordance with the same standards applied to special-purpose ETO machines, and is supplied with CE certifications (for the EEA) and UL and CSA certifications (for the USA and Canada).

Full control of the manufacturing process

Thanks to in-house integration of all the departments – design, production, assembly, testing and certification – Motek can manage the entire manufacturing cycle and thereby ensure total control over the quality and compliance of the finished product.

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