/ **100%** Product Marking and Verifying

Traditionally, the more components you add to a process, the more complex it becomes. The Traceable Quality System combines all functions in its central control, making operation as simple and safe as possible. Its modular design allows full integration of marking and verifying, labeling, weighing, metal detection and many more tasks for an outstanding variety of products.

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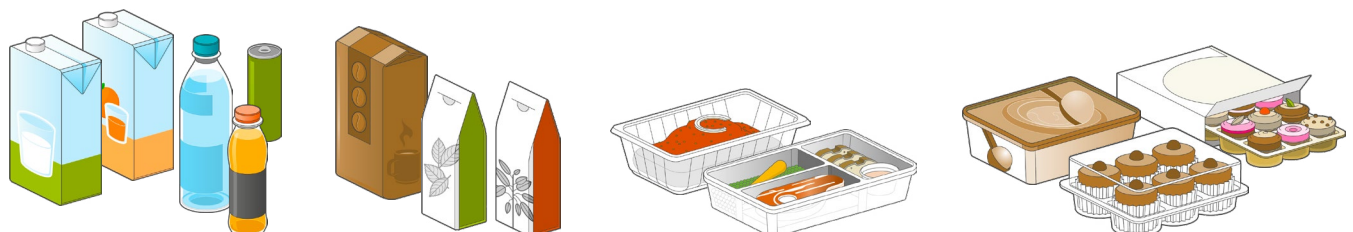# /**Modular Design** From integration kits to turnkey solutions

The modular concept of the Traceable Quality System allows us to adapt it to an extremely wide range of requirements. Depending on the product's size, shape, weight and speed, we simply combine the according modules. Our customers therefore receive a solution that is perfectly tailored to their individual needs. This commitment does not end when the components are mounted. Instead, all functions are fully integrated in one holistic system. The result is that the operator only has to deal with one central user interface. Product changes, article setup and layout modifications thus become minimally error-prone and maximally user-friendly.

Your **Benefits**

- One system
- One user interface
- One contact
- One service partner
- Unlimited options

With 85% of our components produced in-house, we are able to meet highest quality standards and realize shortest delivery times even with challenges in the global supply chain. At the same time, these modules are so diverse that we can offer solutions for the vast majority of product shapes and packaging types.

This popular basic configuration marks, verifies and weighs products on a minimum footprint of only 1,000 mm length. It is typically applied to print best before dates, batch codes or lot numbers on boxes. Human and machine-readable. Forward-thinking planners appreciate that it can be upgraded to execute full serialization when required.

When processing food in particular, you are well advised to weigh, label and inspect the product for metallic foreign bodies in the same process step. This configuration covers all those functions and unites them under a central control. It is mostly applied to label thermoformed trays or flat cartons on the top and bottom.

At first glance one might think that big boxes like shipping cartons require a completely different system. But we only adapt the product handling modules to a larger dimension and can accommodate to this process step. As those cases mostly carry individual information for serialization, aggregation or shipping, we engage the Track & Trace module for this application.
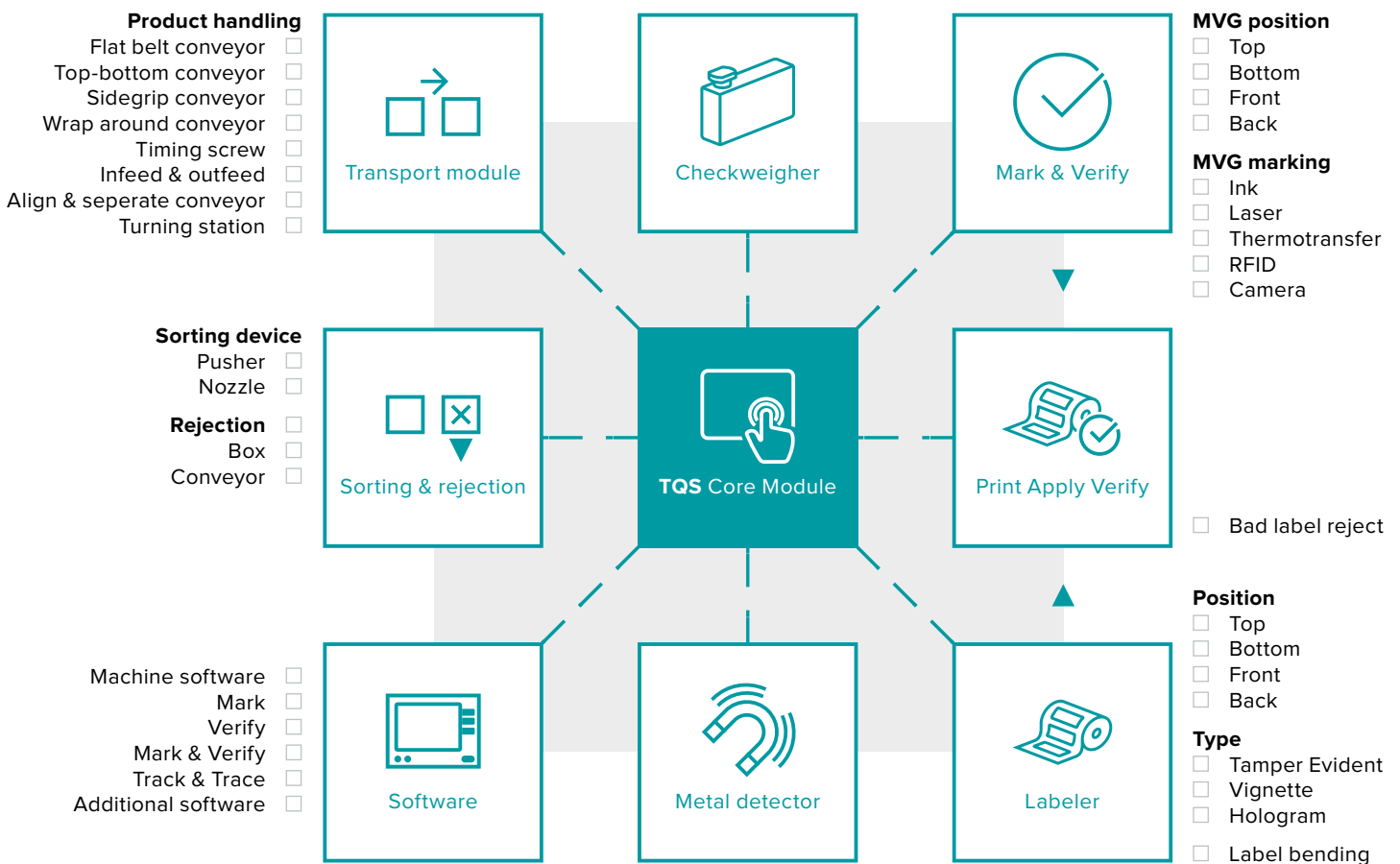
/Traceable Quality System The bigger the scope of functions, the more space and money saved

We will adapt the system to our customers' requirements. From checkweighing over mark and verify, metal detection, labeling, up to full serialization and aggregation – every function is integrated. Even if there is existing equipment in use and we supplement it with our integration kits, our customer will have an aligned system and not just unrelated components.

With a variety of handling modules at disposal, the system will easily adjust to most product dimensions and packaging types. Whether it is made to fit directly after the filler or at the end of the packaging line, the result is that only 100% verified products move forward in the process. ▲

Product handling
Flat belt conveyor ☐
Top-bottom conveyor ☐
Sidegrip conveyor ☐
Wrap around conveyor ☐
Timing screw ☐
Infeed & outfeed ☐
Align & seperate conveyor ☐
Turning station ☐

Sorting device
Pusher ☐
Nozzle ☐

Rejection ☐
Box ☐
Conveyor ☐

Machine software ☐
Mark ☐
Verify ☐
Mark & Verify ☐
Track & Trace ☐
Additional software ☐

Transport module

Checkweigher

Mark & Verify

Sorting & rejection

TQS Core Module

Print Apply Verify

Software

Metal detector

Labeler

MVG position
☐ Top
☐ Bottom
☐ Front
☐ Back

MVG marking
☐ Ink
☐ Laser
☐ Thermotransfer
☐ RFID
☐ Camera

☐ Bad label reject

Position
☐ Top
☐ Bottom
☐ Front
☐ Back

Type
☐ Tamper Evident
☐ Vignette
☐ Hologram

☐ Label bending

	Min	Max
Length* (mm)		
Height (mm)		
Width (mm)		

	Min	Max
Weight (g)		
Speed (ppm)		

* in moving direction

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