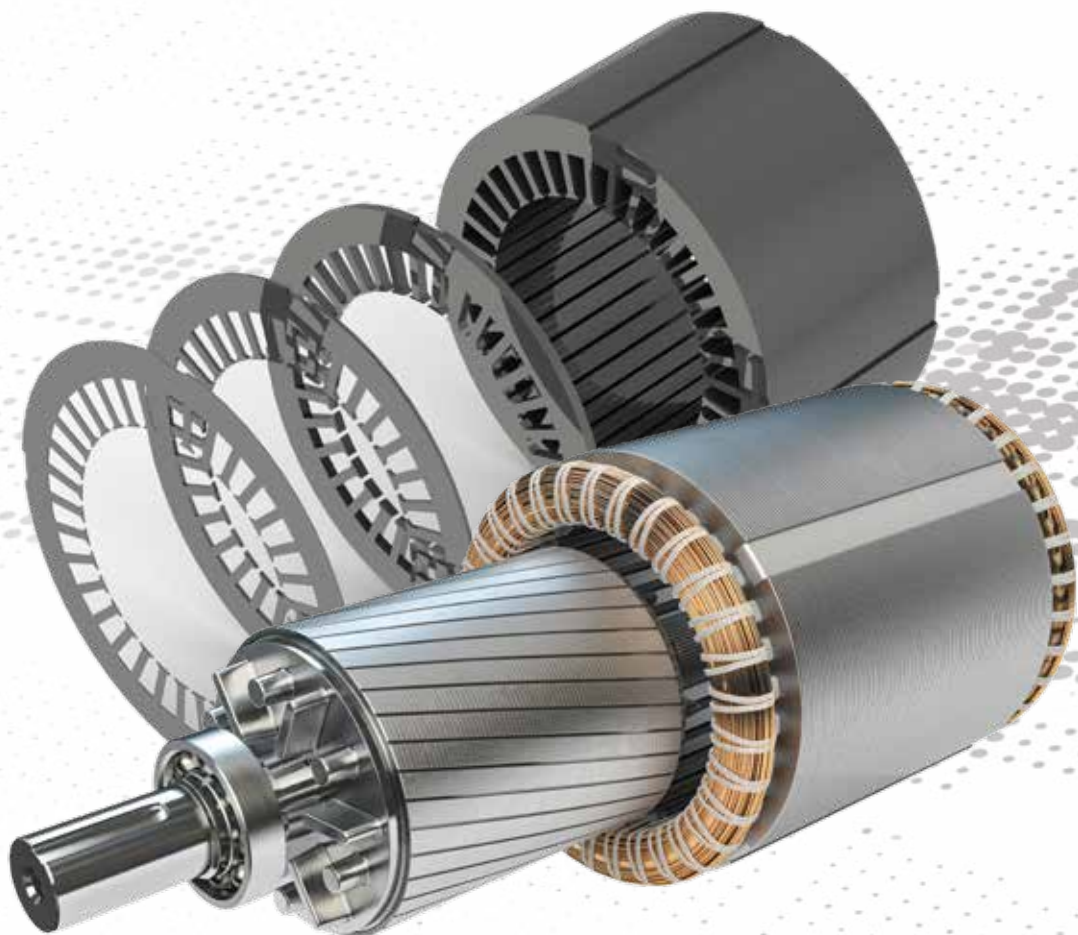
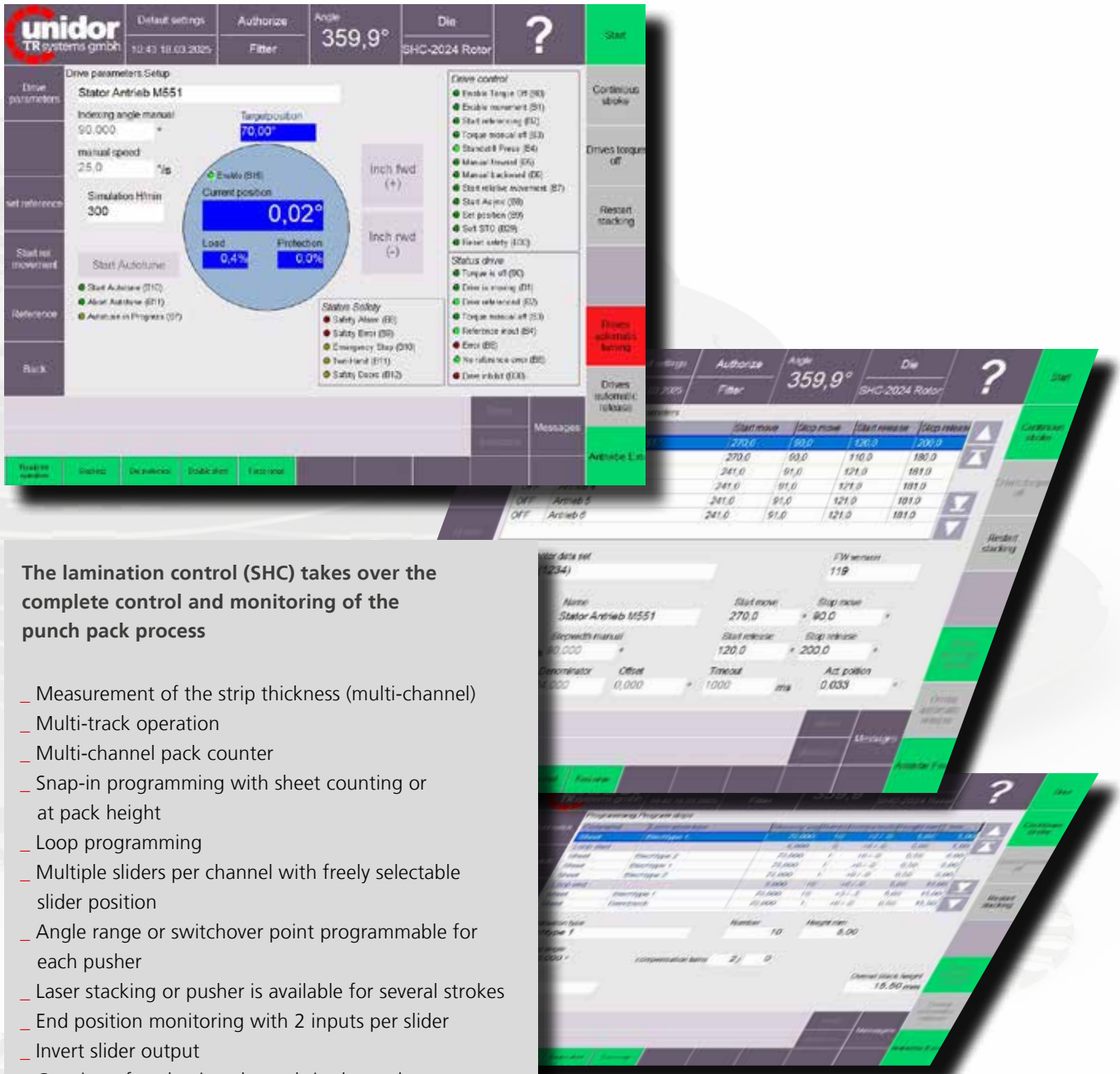


UNIDOR – Lamination control



Lamination control with compactPRESS



The lamination control (SHC) takes over the complete control and monitoring of the punch pack process

- _ Measurement of the strip thickness (multi-channel)
- _ Multi-track operation
- _ Multi-channel pack counter
- _ Snap-in programming with sheet counting or at pack height
- _ Loop programming
- _ Multiple sliders per channel with freely selectable slider position
- _ Angle range or switchover point programmable for each pusher
- _ Laser stacking or pusher is available for several strokes
- _ End position monitoring with 2 inputs per slider
- _ Invert slider output
- _ Copying of packaging channels in the tool
- _ Document package height (AMT channel)
- _ Static/dynamic ejection monitoring
- _ Conveyor belt monitoring
- _ Turning (restacking) and twisting
- _ Lifter and pusher control
- _ Feed control (pulling/pushing)
- _ Programmable scrap shear control
- _ Process monitoring (punch waste, punch breakage, etc.)
- _ Integration of various peripheral devices possible

Functions

Strip thickness measurement

All sensors with an output voltage of -10 V..+10 V can be connected. The sensor linkage (e.g. differential measurement) can be internal or external. The sensor characteristic can be linearized and offset-calibrated with several interpolation points.

Insert strip

After starting the function, a programmable number of separator plates are produced. Duration: Distance between infeed and lamination point

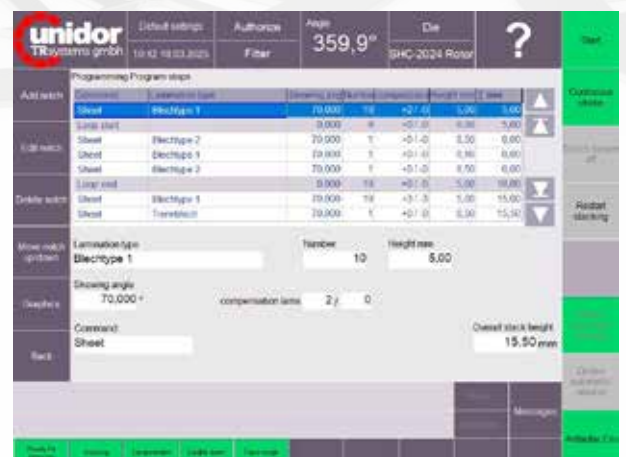
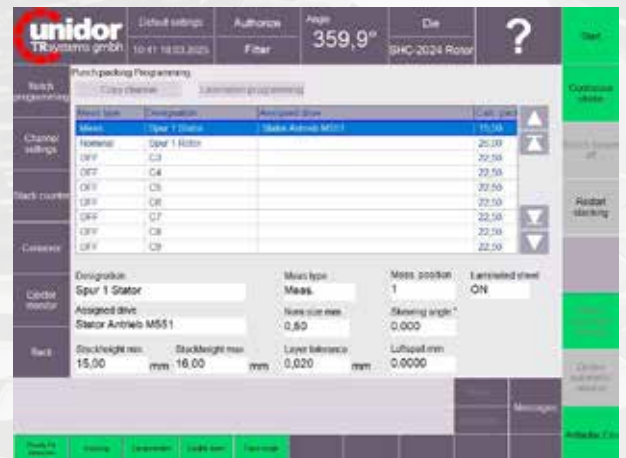


Ejection monitoring

Ejection monitoring can be static or dynamic. Static: The status of the sensor must not change for n strokes. Dynamic: at least one change must take place after n strokes.

Conveyor belt monitoring

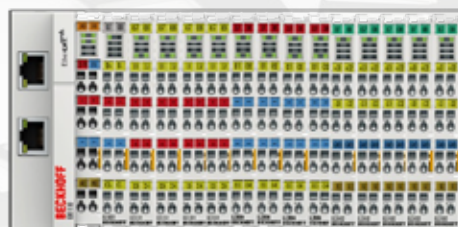
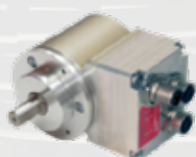
The conveyor belt must emit m pulses in n strokes. The conveyor belt is switched off when the machine is at a standstill with programmable overrun. Start with "clutch on".



Topology



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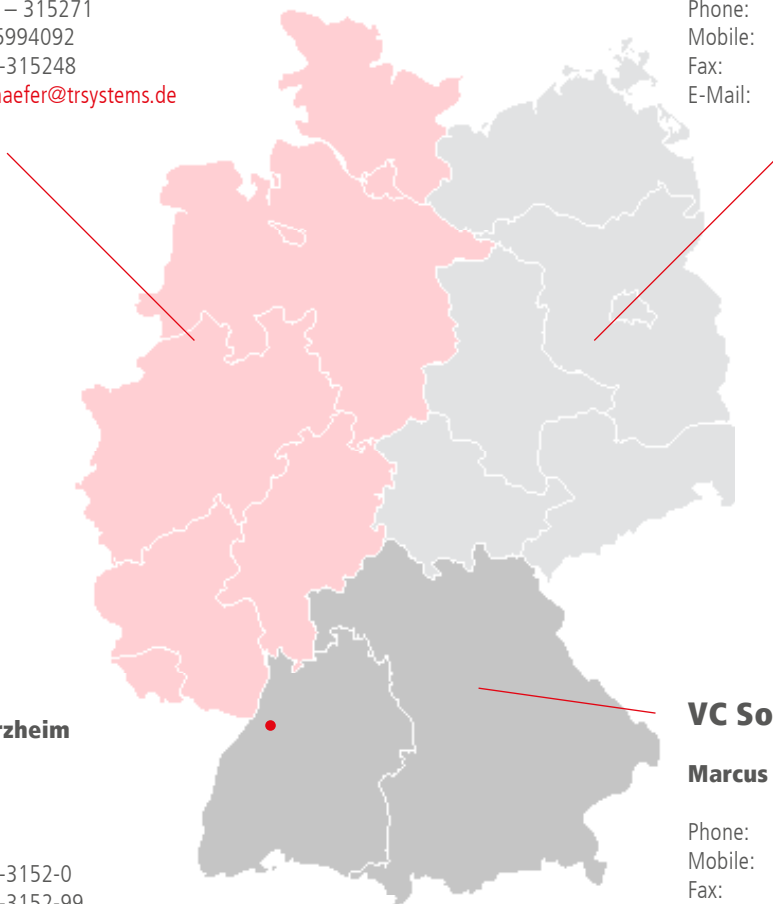
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TRsystems GmbH, Unidor system area in Pforzheim



Company history

1948 – Establishment of Kiefer KG, watch and metal goods factory, Pforzheim

Creation of the UNiDOR brand name. Through automation of punching processes. In-house development of the first tool protection systems (UN series) and optical sensors.

1971 – Sale to Thurn and Taxis

Further development of systems, driven by constantly new challenges. Introduction of the first force monitoring systems. Creation of the APS system, development of the first axis automations (stroke adjustments; ram adjustments).

1990 – Acquisition by the Prym Group

Further development of the APS system, first industrial PC systems are used. Customer-specific solutions are increasingly implemented.

1996 – Acquisition by TR-Electronic GmbH

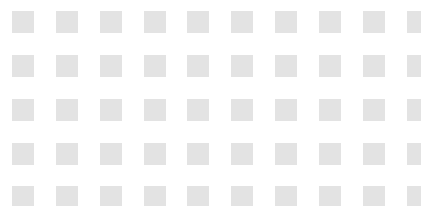
Creation of the Aplus system. In 2000 creation of the compactPRESS system. 2012 integration into TRsystem GmbH.



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Subject to technical and design changes.

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