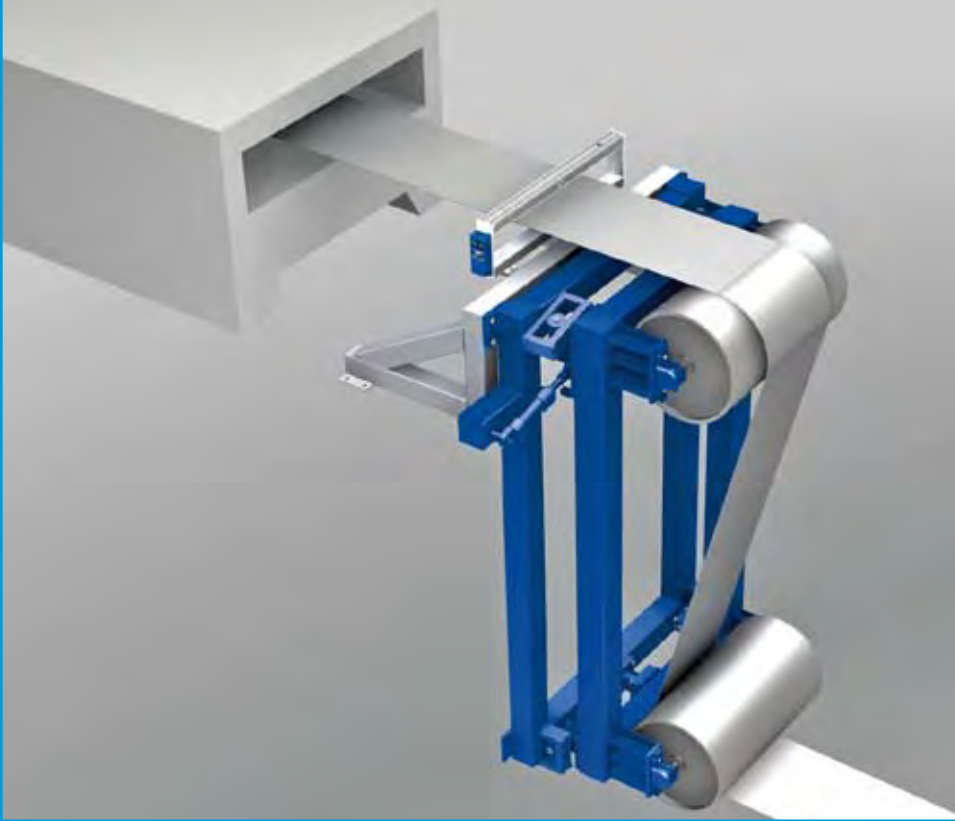


Strip guiding

Guide Frames – Proportional Guide



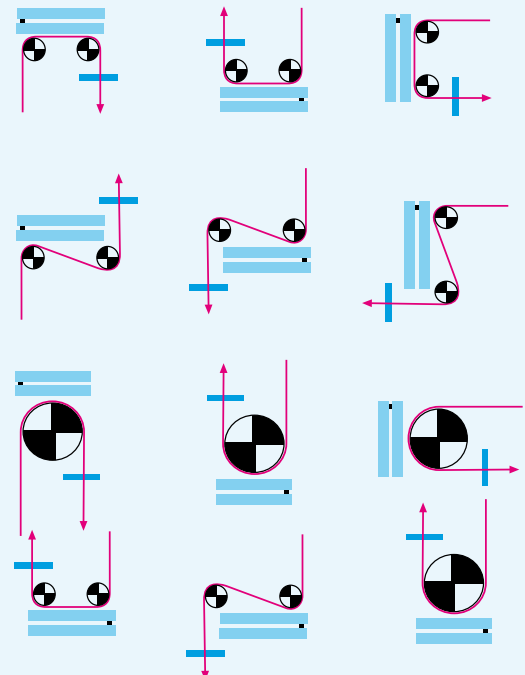
Application:

The two deflector rolls required for bridging strip pass line between accumulator and strip process section are used together with the SRD steering unit, which acts merely proportionally. This type of steering unit can be installed in tight line areas, as it only requires very short free entry and exit spans to the next deflector rolls.

Function principle:

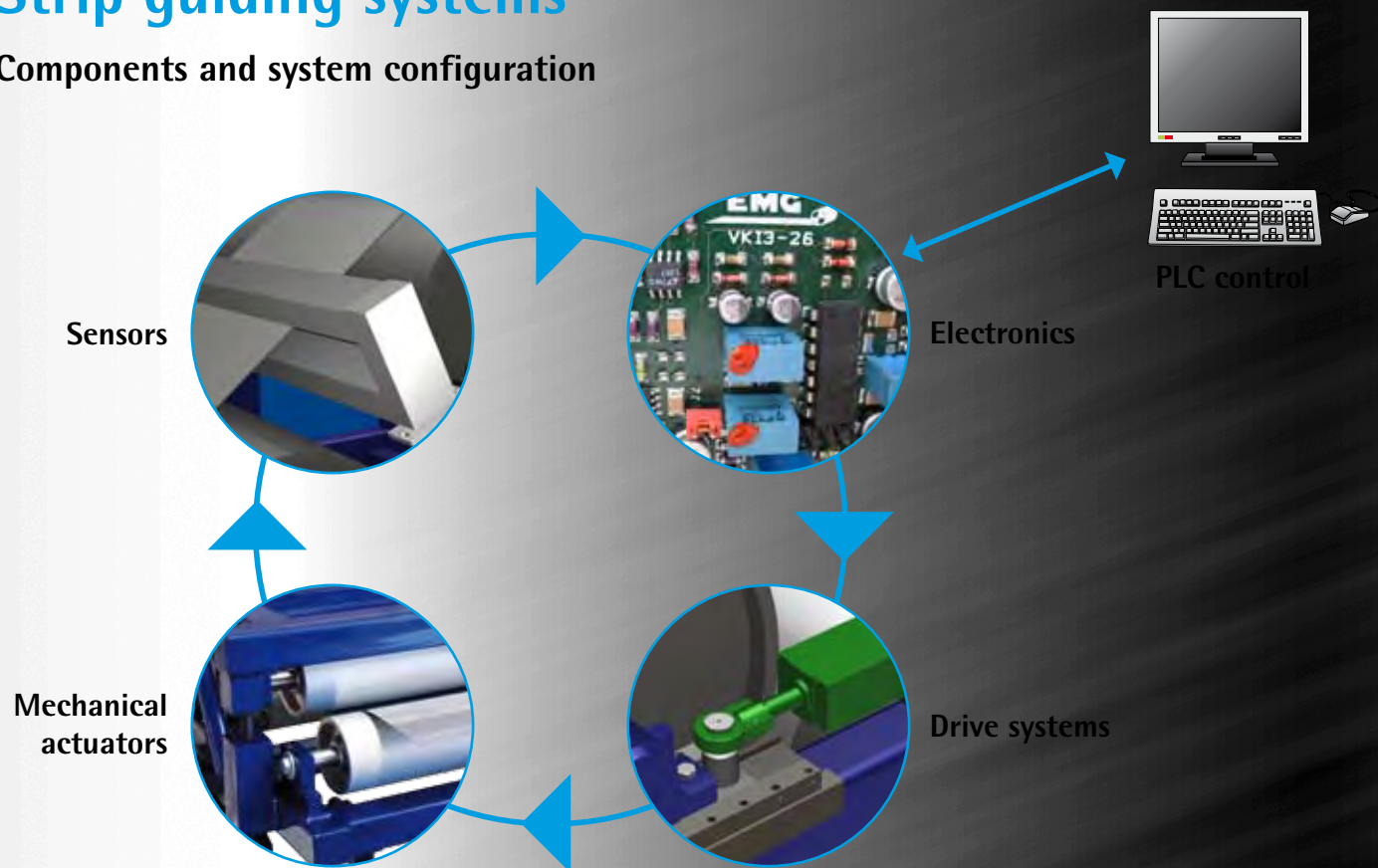
The strip centring effect is such that the steering unit rotates around a pivot in the plane of the incoming strip, whereby the outgoing strip is shifted laterally. If the incoming strip is misaligned, the correction cannot be seen on the steering unit rolls but the outgoing strip will be corrected to the pre-determined point. Movement of the strip is corrected proportionally to the regulating distance of the adjusting frame – the incoming and the outgoing strip forms a right angle with the swivelling plane. The maximum correction capability is determined by the distance between the incoming and the outgoing strip pass line level.

The maintenance-free inductive strip centre sensing system type SMI is installed immediately downstream of the steering unit.






Strip guiding systems

Components and system configuration



Further product brochures and data sheets:

Sensors		EMI – Strip position measurement (Data sheet)
		BREIMO – Strip width measurement
		SMI – Inductive strip measurement
Electronics		SPC – Digital controller
Actuators		SV1-10 – Servo valves
		ESZ – Electro-Servo-Cylinder

For further technical information of our products please contact us or visit the download area on our homepage.

EMG Automation GmbH

Industriestraße 1
57482 Wenden, Germany

Phone: +49 2762 612-0
Telefax: +49 2762 612-384

automation@emg-automation.com
www.emg-automation.com

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