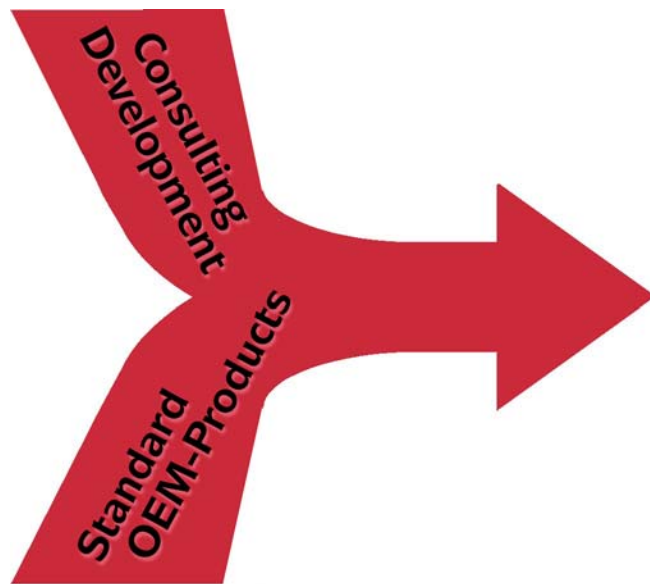


Our core competence ...

- ▶ One/Multi Axis Positioning
- ▶ CAN Networking



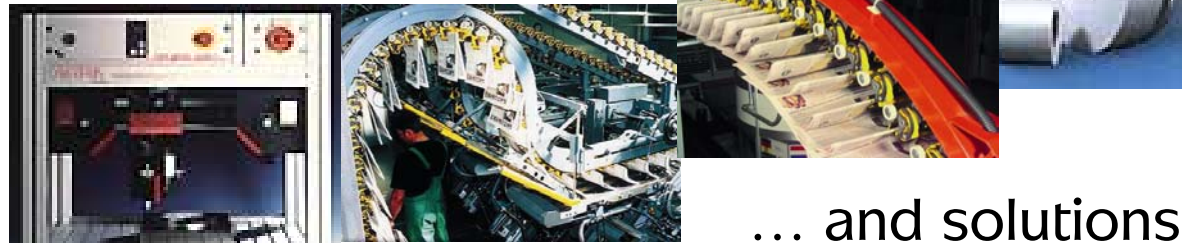
Our products ...

- ▶ Positioning/Synchronizing Modules
- ▶ CAN-Open I/O Modules
- ▶ Danfoss Frequency Converters & Accessories



... aligned to your application.

- ▶ **Labeling**
Synchronization of the label feeding to the flow of goods
- ▶ **Winding**
Synchronization of the traversing with the speed of the material (ribbons, wire)
- ▶ **Pump Control**
High precision control of the flow rate and quantity
- ▶ **Storage**
Cart positioning in automated racks
- ▶ **Positioning**
X/Y-positioning of probes in analyses units
- ▶ **Feeding**
Synchronously feeding of components



... and solutions



MACS₄ Product Line:
**One-/Multi-axis
 Position &
 Synchronization Control**

- Freely programmable
- Positioning & synchronization
- One- & multi-axis control
- Stand-alone usage or controlled by a PLC / PC
- CAN, EtherCAT, RS485, USB, RS232
- Digital & analog inputs / outputs
- 6 integrated input groups for incremental, SSI, sine/cosine encoder
- Analog and CANopen servo interface



MACS Product Line:
**One-/Multi-axis
 Position &
 Synchronization Control**

- Freely programmable
- Positioning & synchronization
- One- & multi-axis control
- Stand-alone usage or controlled by a PLC / PC
- 2 x CAN, RS232
- Digital & analog inputs / outputs
- Incremental & CANopen encoders
- Analog & CANopen amplifier Interface



DSA Product Line:
**CANopen-
 Servo Amplifiers**

- CANopen DS 402 compatible
- Digital current/torque, speed and position control
- Digital & analog inputs / outputs
- 4Q PWM power amplifier for brush & brushless motors
- Configurable as a pseudo analog amplifier with an ± 10 V analog command input



**Customized
 OEM Solutions**
 e.g.
**3 Axis Position Control Unit
 incl. integrated amplifiers**

- Your product custom-made: Function, design, & connectors
- Flexible: Programmable process control
- Cost-saving: License free motion control
- Functional: Positioning & synchronization
- Dynamic: Position / speed / current control
- Fitting: RS422, SSI, sine/cosine encoder
- Open: CAN, USB, EtherCAT, Profibus
- Compact: Integrated PWM-amplifiers

**→ Headquarter with
 worldwide distribution,
 drive-competence-center,
 development,
 service and support.**

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