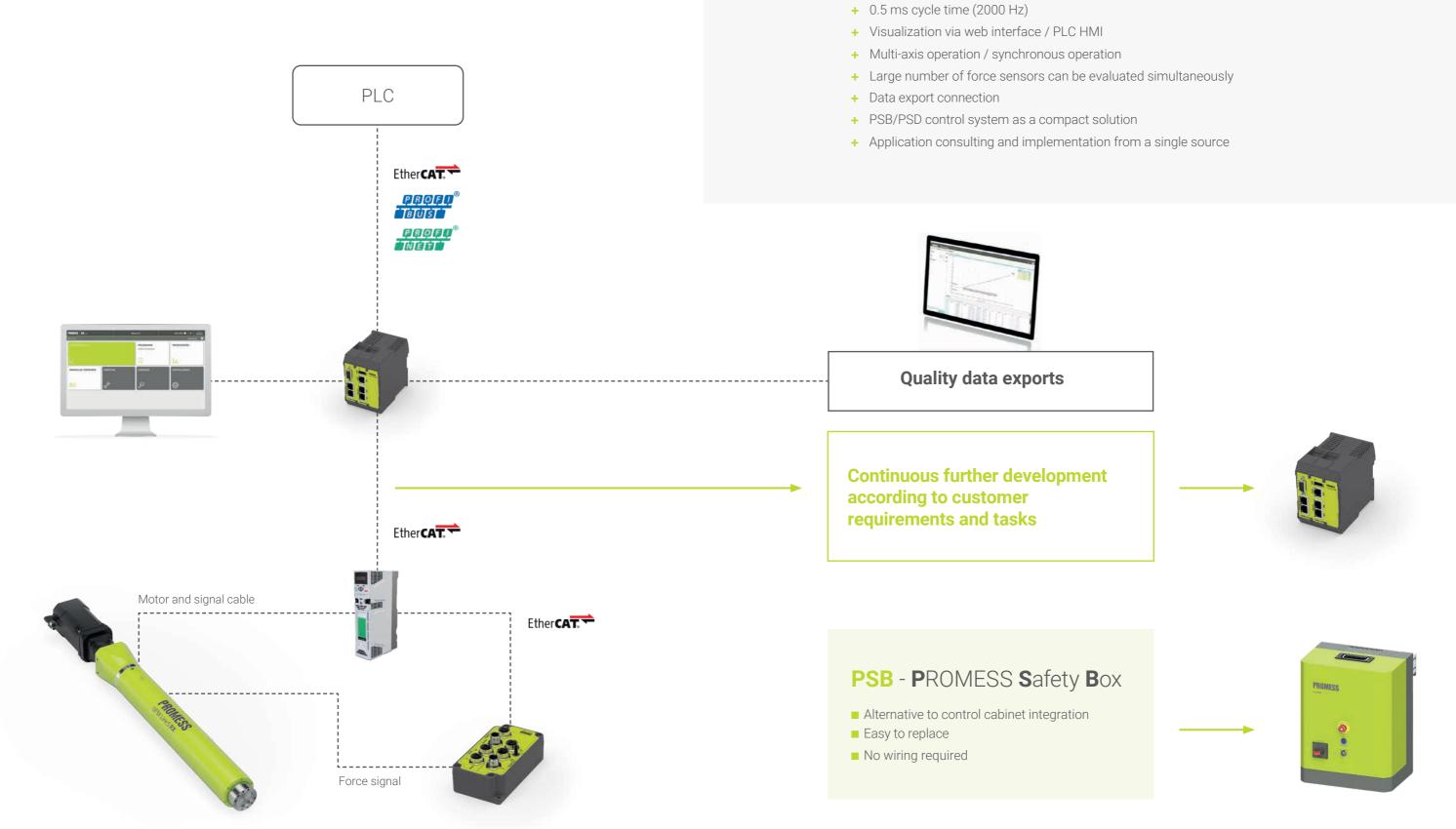


For more efficiency.



The PROMESS RX assembly system



Benefits RX

+ Very robust mechanics (>15 million cycles)

+ Various frequency inverters on request

+ Force range 0.05 kN - 1000 kN

PROMESS development partner Subject to technical changes

Multi-axis PROMESS RX

Multi-axis capability

- Multi-axis operation with one RX controller freely programmable
- Sequential programs linked, even without PLC (communication)
- No complex PLC sequences required to synchronize the axes
- Process monitoring, parameterization via a central controller





Application example

- Batterie stack production
- Large-area pressing without tilting
- Synchronous and asynchronous press-fitting of several components into one assembly group
- Coupling of torque and joining systems



PROMESS development partner

Subject to technical changes

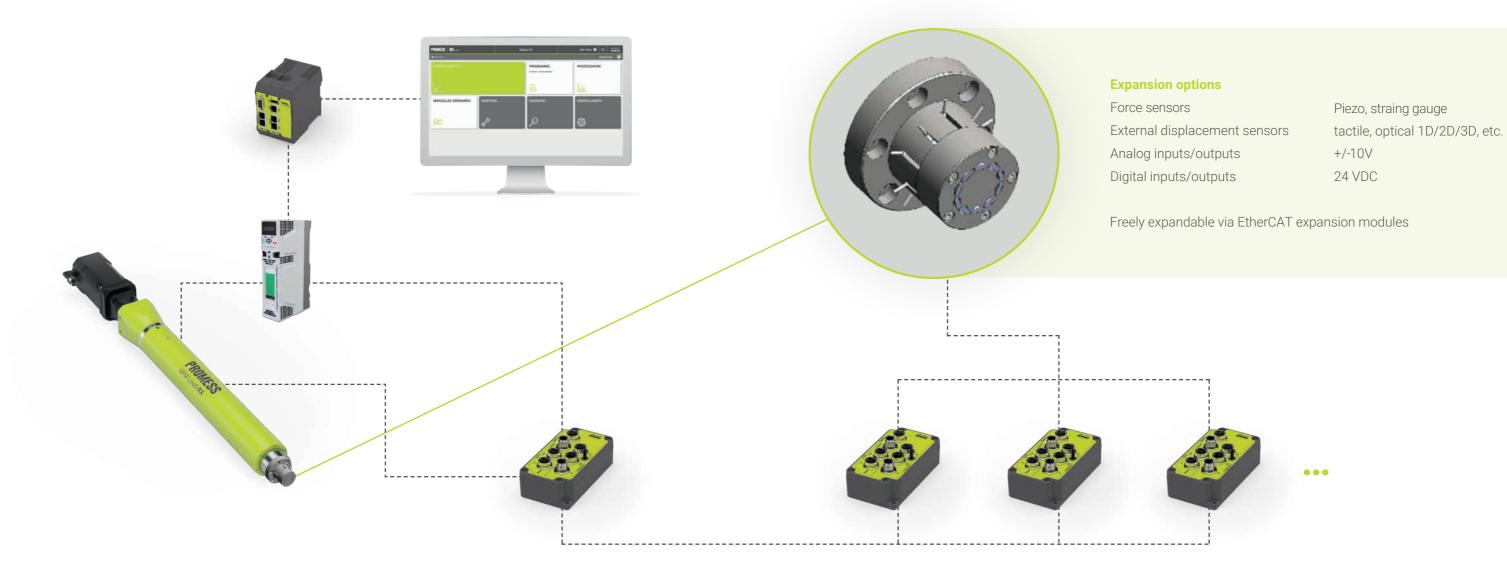
ASSESSEMENT 02

PROMESS RX multi-sensor system

Multi-sensory capability

- Graphical force-distance monitoring
- Parallel monitoring and display of all sensors
- Large number of sensors can be integrated (up to 16)
- Application e.g.:
 - Simultaneous pressing of several components and separate individual visualization
 - ☐ Monitoring the uniform pressing of fuel cells in a stack
 - □ Subsequent expansion of additional sensors possible e.g. light band measurements 1D/2D/3D





Optional accessories PROMESS RX

PSD (PROMESS Safety Device)

- The PSD safety module is supplied as a ready-to-install and tested module. It includes the power electronics and the safety controller for the joining unit
- Less wiring required for integration in the control cabinet
- Tested safety functions can be activated directly.
- With performance level



Safety functions

- Safe torque off: STO
- Safely-limited speed: SLS
- Safe operating stop: SOS
- Safe Stop 1: SS1
- Safe Stop 2: SS2
- Cyclical brake test for holding/safety brake

PSB (PROMESS Safety Box)

- The PSB safety module is an alternative to electric cabinet integration and contains all the necessary safety functions, including the power components and safety controller
- No wiring work for the integrator plug & play
- E-construction not applicable black box principle
- Tested safety functions can be activated directly
- IP 54 protection
- With performance level



PROMESS development partner

Subject to technical changes

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