

Controllers

PowerMACS 4000

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One primary controller is needed per system. The primary controller takes care of external communication and comes with most field buses used in modern production lines (optional). A primary controller can be run as a secondary controller.

The secondary controller comes in two versions; with or without Ethernet switch in the back plate.

- One servo covers the complete torque range from 2 to 8,000 Nm.
- No external PC required, inherent back-up functionality for increased reliability.
- Define your tightening strategy based on results to make sure valuable time and resources are not wasted.
- Powerful PLC onboard.
- Reject Management enabling you to handle faulty tightening in the most efficient way.
- Extensive library of tested tightening strategies – each joint can be tightened in the best possible way in terms of cycle time and quality.
- Stand alone design (no need for bulky cabinets).
- 24V DC supply, integrated Ethernet switch, E-stop circuit.
- Informative display
- Integrated line filter.



TC-P



TC-S

POWERMACS 4000 CONTROLLERS

Model	Fieldbus version	Ordering No.
Primary controller		
TC-4000-P-ES	No Fieldbus	8435 6511 00
TC-4000-P-PB-ES	Profibus	8435 6511 10
TC-4000-P-DN-ES	DeviceNet	8435 6511 30
TC-4000-P-EIP-ES	Ethernet IP	8435 6511 60
TC-4000-P-MTCP-ES	ModBus TCP	8435 6511 70
TC-4000-P-PN-ES	Profi Net	8435 6511 50
TC-4000-P-CC-ES	CC link	8435 6511 80
Secondary controller		
TC-4000-S	No fieldbus, No Ethernet switch	8435 6500 00
TC-4000-S-ES	No fieldbus, Ethernet switch	8435 6501 00