

FMCP


Festo Motion Control Package



Ready to
install
solution



Highlights

- UL control enclosure 
- Ready to use motion control package for Festo handling systems
- Plug and play motion controller
- Ideal for pick and place applications
- Easy integration with any Ethernet based protocol

Ready for motion!

The Festo Motion Control Package (FMCP) is a control system that handles coordinated motion for up to 6 axes, providing an integrated robotic solution with kinematics for H, T, 2D & 3D Festo standard gantry systems.

The FMCP is a scalable, pre-engineered motion solution for controlling Cartesian gantry systems with precision and minimal programming. It supports standard Festo configurations including 1D, 2D, 3D, H-, and T-gantries, making it ideal for advanced handling applications. Designed with flexibility in mind, the FMCP enables seamless integration into Rockwell environments and supports a wide range of PLC platforms through Festo's CMMT multi-protocol drives.

Easy integration

Cartesian motion applications can be configured and integrated quickly with function blocks and AOI's for Rockwell, Siemens, Omron, and Beckhoff.

Handling Guide Online ready!

HGO with FMCP offers control, motion, and handling as an integrated package.

CE-1P	CE-3P	FE-1P	FE-3P
Up to 3 drives		Up to 6 drives	
Compact Edition		Full Edition	

FMCP

For Cartesian, T-portal and H-portal systems

Control via WebVisu



FMCP Ecosystem



Easy fieldbus integration

Powerful Motion Controller



FMCP variant	Controller	Key features	Best for
FMCP with CPX-E	Festo CPX-E (Controller included)	<ul style="list-style-type: none"> Runs up to 3 Cartesian gantries (4 axes each) Multi-kinematic motion & interpolation Centralized control AOIs for Rockwell PLCs Preconfigured gantry function blocks for pick and place, CNC and Dispensing 	Complex motion control with multiple gantries
FMCP without Controller	External PLC (e.g., Rockwell, Siemens, Omron, Beckhoff, PC Based)	<ul style="list-style-type: none"> Prewired drive + safety package Motion logic depends on external PLC capabilities CMMT-AS/ST drives with built-in multi-protocol support 	Direct integration with existing PLC systems
FMCP Essentials	Optional CPX-E (not included)	<ul style="list-style-type: none"> Includes core hardware only (drives and motors) Cabinet not included Motion logic handled by external PLC, depending on its capabilities CPX-E is optional based on requirements; interpolation supported if needed 	Custom cabinets or OEMs with in-house integration

Technical Data				
FMCP	CE-1P	FE-1P	CE-3P	FE-3P
Nominal voltage phases	1		3	
Input voltage range [VAC]	100...230 +/- 10%		3x 230 ... 480 +/- 10%	
Main disconnect capacity [A]	32	40/63*	40	63/100*
Nominal Power [VA]	3000	6000	9000	18000
Mains Frequency [Hz]	50 ... 60			
Mains connection type	Wye-source ONLY			
Safety function to EN 61800-5-2	Safe torque off (STO)/ Safe stop 1 (SS1)			