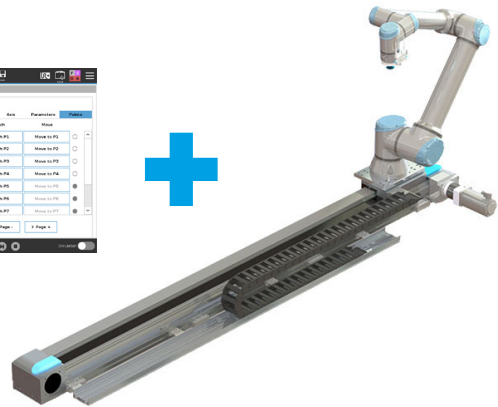


Festo Multi Axis Solution

For  UNIVERSAL ROBOTS

FESTO

Ready
for
motion!



Control up to 4 axes from a single robot!

Highlights

- Ideal for palletizing, machine tending, bin picking, part loading and more
- Direct integration via URCaps, code-free programming
- Suitable for all eSeries UR models: UR3e, UR5e, UR10e and UR16e
- Ready for additional external safety devices as required
- Proven Festo axis with high rigidity and load capacity
- Pre-assembled electromechanical axis module
- Control cabinet ready for plug and work available

The Festo Multi Axis Solution amplifies the capabilities of the UR robot and simplifies integration by using off-the-shelf mechanical and electrical components readily available worldwide.

MAD Controller, the URCap software powered by NUTAI allows you to control up to 4 external axes using your eSeries UR robot.

Easy implementation

Pre-tested axes configuration allows for less engineering, integration and troubleshooting time during set up.

Mechanical interface between the Festo axis and the UR robot is included in the scope of supply for a seamless mounting procedure.

MAD Controller URCap software integration allows you to control up to 4 different axes of motion directly from the UR pendant.

Increased robot capabilities

Ideal solution for machine tending applications, one robot for multiple machines avoids robot idle time.

Extend your robot's reach up to 8.5 meters with the additional axis and extend further servo control capabilities for seamless integration of up to an additional 3 more axes, rotary or linear, your choice!

Increase UR Robot Capabilities

Linear + rotary servomotor combination

Rotary servomotor

Everything controlled from a single interface!

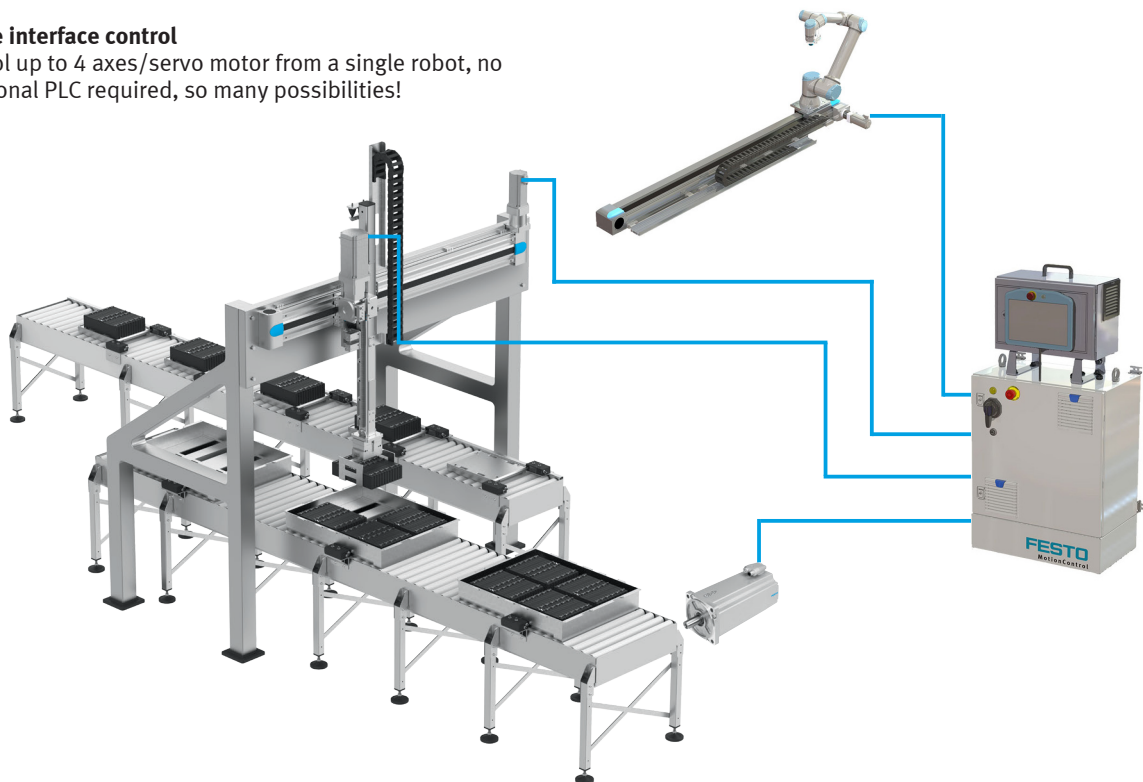
Linear + linear servomotor combination

3 axis linear gantry

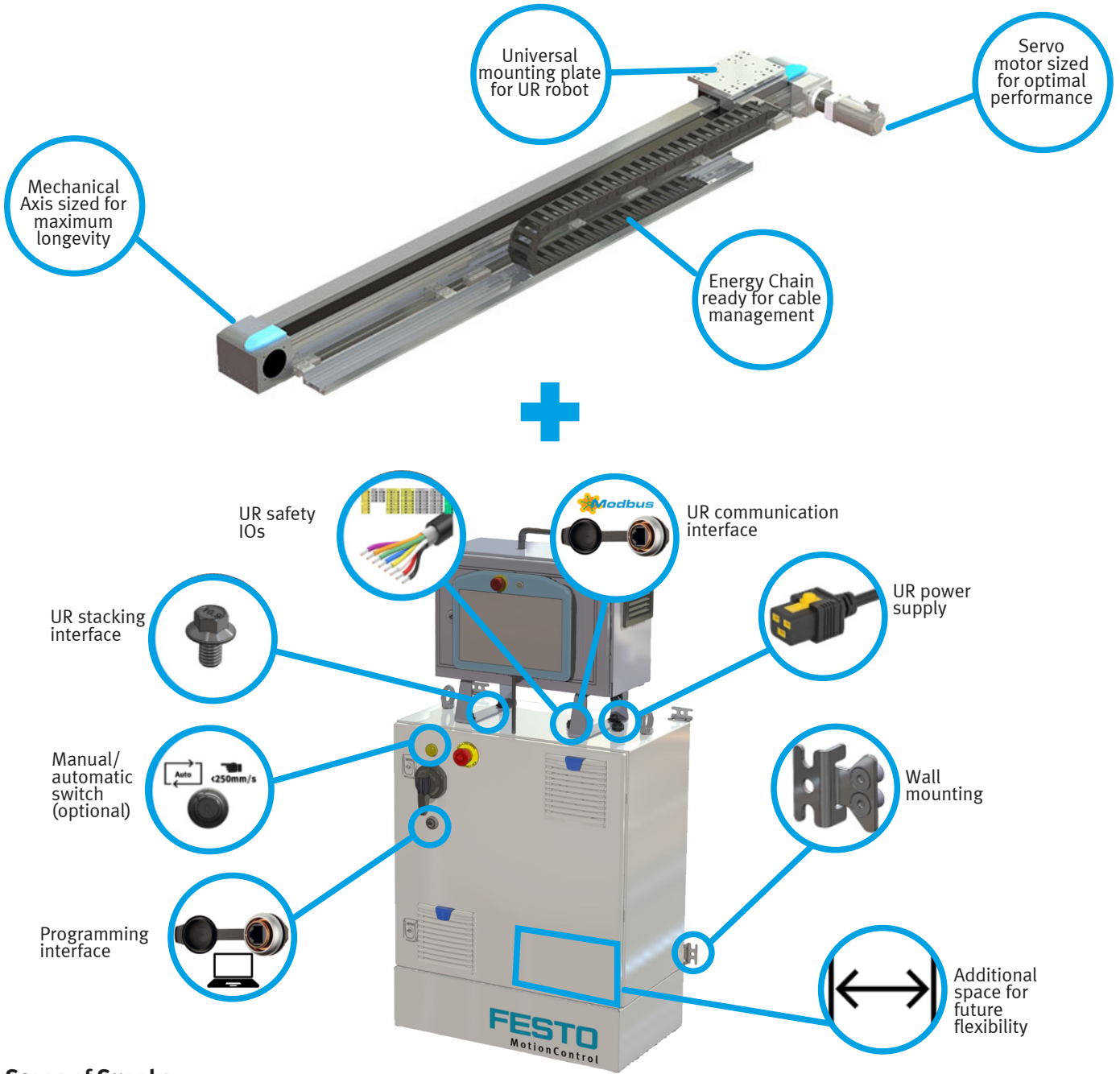
Plug and work control cabinet

Single interface control

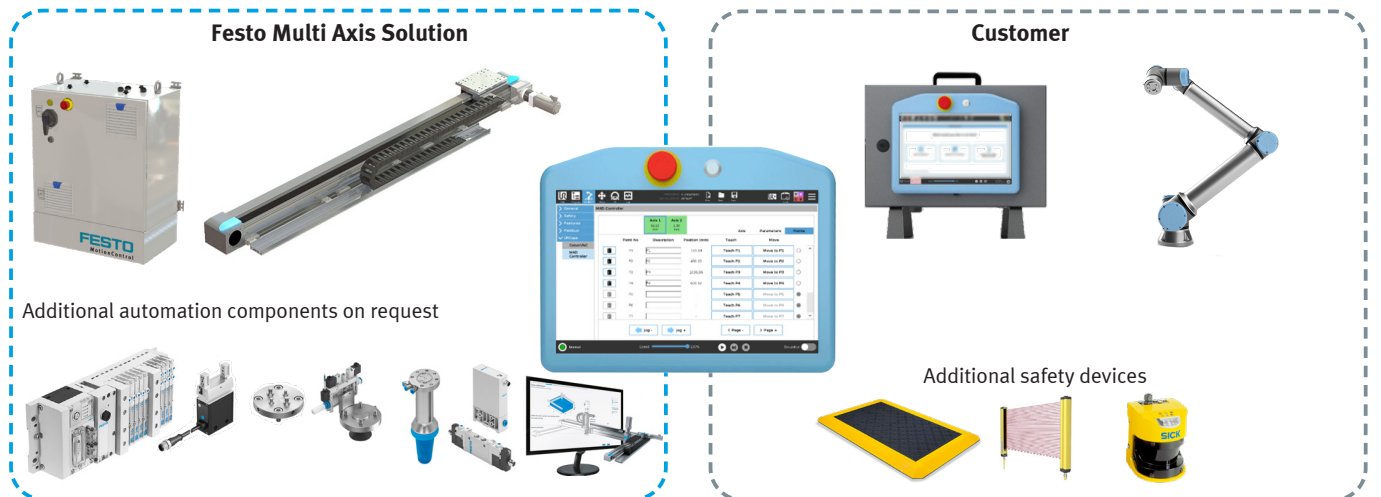
Control up to 4 axes/servo motor from a single robot, no additional PLC required, so many possibilities!



Hardware Solution Ready for Integration



Scope of Supply



Seamless integration via MAD Controller software URcap



Technical data				
UR robot model	3e	5e	10e	16e
Robot reach [mm]	500	850	1300	900
Payload [Kg]	3	5	10	16
7th Axis	EGC-120-TB		EGC-185-TB	
Repetition accuracy [mm]	±0.08		±0.1	
Max stroke [mm]	8500			
Power supply [VAC]	100 / 230 ±10% VAC, 50-60 Hz			
Max speed [m/s]	1.2/1.7		1/1.5	
Max acceleration [m/s ²]	5.2/10.1		3.5/5.5	

For more information on the Multi Axis Solution



Configure your handling system online



- Electromechanical axis is not collaborative, UR Robot safety is hardwired directly into servo drives
- Risk assessment is required to drive additional safety device based on specific application and local regulations
- Mechanical Axis also available with dust cover, dual rails and ball screw spindle on request
- Final dynamics and longevity dependent on specific application loads and robot configuration
- Retract Robot then move axis for optimal motion and maximum longevity

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