

# Compact handling system YXMx for desktop applications

FESTO



## Ready to use!

### Highlights

- Ready-to-use system kit comprising kinematics, controller and software
- 1 basic platform for a wide variety of applications
- Reliable
- For very small installation spaces
- Easy to integrate
- Defined interface to the host system
- Simple programming and commissioning
- Compatible with Industry 4.0

**Screwdriving, dispensing, testing, soldering, gripping, opening and closing containers and much more: The compact handling system forms the basis for a wide variety of desktop applications. This well-matched system kit comprising kinematics, controller and software saves you money and reduces your time to market – from development to programming and commissioning.**

### Quick and easy

This system kit keeps engineering work down to a minimum and is a low-cost solution thanks to its standard components. Pre-defined function elements from the software library make programming and commissioning simple.

### Reliable

Your application works perfectly thanks to optimally matched components and functions from a single source.

### Flexible

The system kit is your basic platform for a wide variety of applications. All you have to do is integrate the front end, which is made easy by the open interfaces.

### Compact and connective

The compact controller CECC-X enables numerous functions to be carried out in very small spaces. A range of predefined interfaces to a master control system are included along with the OPC-UA interface for Industry 4.0.

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Software: the reliable, quick and easy way to your goal

## Festo Positioning Desktop Lib with function elements for CODESYS

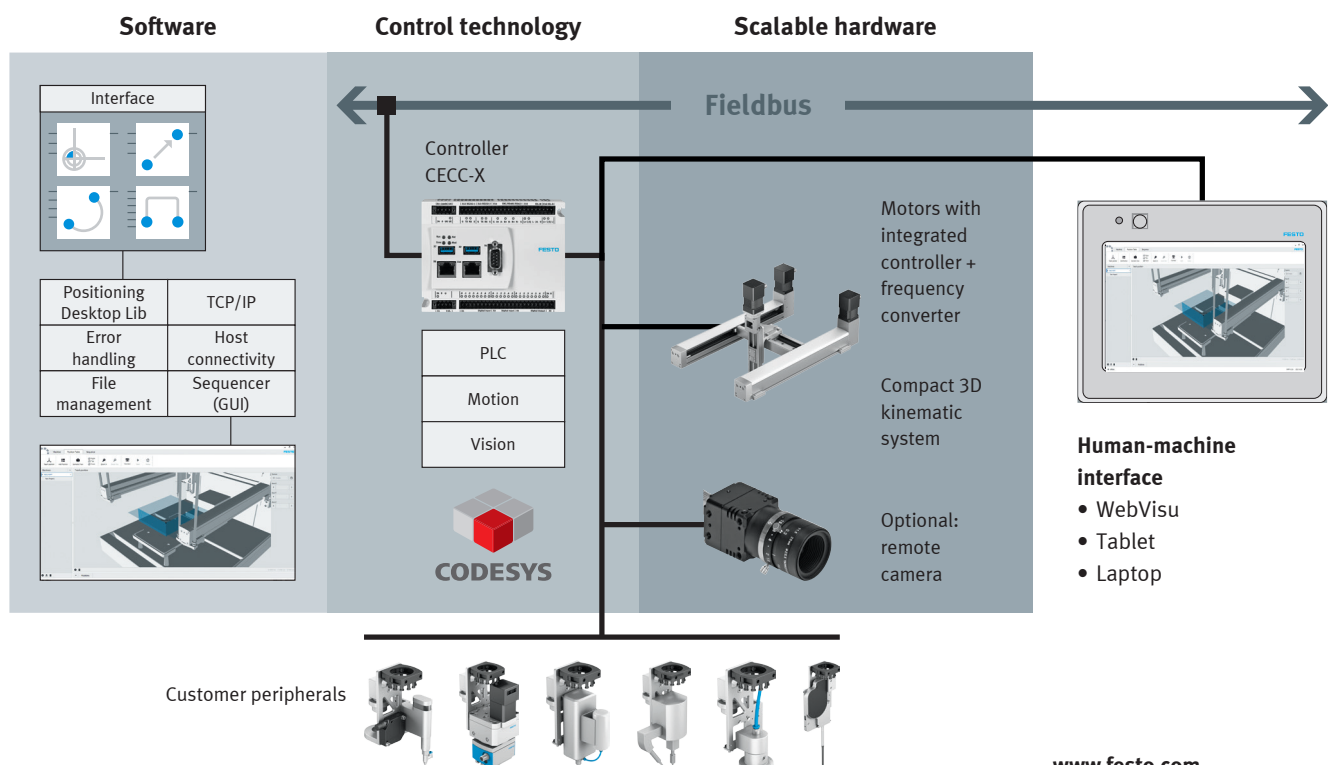
Quick and easy programming and commissioning with the predefined function elements of the Positioning Desktop Lib.

- Parameterisation in line with the connected kinematic system
- Referencing and jogging the kinematic system
- Predefined CNC programs:
  - Point to point
  - U-Pick
  - Circular path
  - Curved path
- Defined interface for communication with host systems
- File management
- Notification system and error handling
- Sequence processing

## Technical data

Kinematic system	Planar surface gantry based on EXCM-30 Optional: Z-axis EGSK-20
Stroke	X: 100 ... 700 mm Y: 110 ... 360 mm Z: 75, 125 mm (further sizes on request)
CPU data	Dual-core architecture 866 MHz for simultaneous PLC/motion and vision tasks
Vision	Festo vision environment
Interface controller CECC-X (freely available interfaces depending on system configuration)	1x gigabit LAN (TCP/IP) 1x EtherCAT master or EtherNet/IP 2x USB 3.0 1x IO-Link master/device 1x RS485 (encoder) 2x RS232 1x CAN master (general use, SUB-D) 1x CAN master (drive bus, direct connection) 22x digital inputs 24 V DC 16x digital outputs (8x 24 V DC 1 A, 8x 24 V DC 0.5 A) 4x analogue inputs (0 ... 10 V DC or 0 ... 20 mA) 2x multi-functional interfaces for 2 drives (home/limit switch)
Programming software	CODESYS V3 to IEC 61131-3
Visualisation	Visualisation by the customer via defined interface for HMI's (TCP/IP)

## System components



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