

## The right handling system in just minutes – with the Handling Guide Online

Configure and order your standard handling system in record time with the new online tool. Just enter the most important data from your application and you will immediately receive suitable suggestions.

### Fast

- The right handling system in just 20 minutes
- Including CAD model
- Your price is shown immediately

### Efficient

- Significant reduction in the amount of engineering work required
- No detailed product knowledge necessary





### Intuitive

- Easy operation
- Structured data prompts

## Three steps to the right handling system: → [www.festo.com/handling-guide](http://www.festo.com/handling-guide)

**Selecting the handling solution**  
Find your handling solution in a few steps

Select your handling system

Single-axis system	2D linear gantry	2D gantry	3D gantry
			
Single-axis movement: Single-axis module as a complete system. Easy to connect to your own front unit.	Movements in 2D in the vertical working space. Linear gantries as complete systems. Combining electric and pneumatic axes is possible.	Movements in 2D in the horizontal working space. Planar surface gantries as complete systems. Combining electric axes. Easy to connect to your own Z-unit.	Movements in 3D: Three-dimensional gantries as complete systems. Combining electric and pneumatic axes is possible.
<input type="checkbox"/> Animation	<input type="checkbox"/> Animation	<input type="checkbox"/> Animation	<input type="checkbox"/> Animation

Handling solution:  Standard system

Selected: none

Add to basket  
 2D/3D-CAD  
 Documentation  
 Data sheet  
 Send request

Handling solution:  
 Standard system

Collect system






Selected: system # 1  
 Request price

### 1st step:

Choose the type of handling system and enter your application data. The tool calculates appropriate handling systems, including price.

**Result of calculation**  
Find your handling solution in a few steps

Select the appropriate system and continue with the configuration:

No.	System series	System workload	Repetition accuracy (+/-)	Your price
<input checked="" type="checkbox"/> 1	YXCR-2	89 %	0.18 mm	
<input type="checkbox"/> 2	YXCR-2	49 %	0.18 mm	
<input type="checkbox"/> 3	YXCR-3	48 %	0.18 mm	
<input type="checkbox"/> 4	YXCR-2	41 %	0.19 mm	
<input type="checkbox"/> 5	YXCR-3	28 %	0.19 mm	

3D gantry YXCR-2: #1

Drive module	Gear units	Motor type	Motor position	Motor controller	Nominal voltage (phase)	Guide workload	Drive workload	Axis workload
X module: toothed belt axis EGC-60	3:1	Servo motor EMMS-AS	Left	CMMS-AS	1-phase	19 %	89 %	18 %
Y module: toothed belt axis EGC-60	0:1	Servo motor EMMS-AS	Left	CMMS-AS	1-phase	49 %	7 %	12 %
Z module: Carriolever axis, toothed belt DSEA-18	0:1	Servo motor EMMS-AS	Right	CMMS-AS	1-phase	8 %	25 %	41 %

Reason note:  
The calculation is subject to the following requirements:

- Operating pressure 0 bar
- Motor and motor controller from Festo
- No turning or twisted motions of the front unit

Add to basket  
 2D/3D-CAD  
 Documentation  
 Data sheet  
 Send request

Handling solution:  
 Standard system

Collect system

Selected: system # 1  
 Request price

### 2nd step:

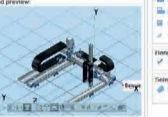
Select the most suitable handling system from the list of suggestions. The correctly configured CAD model and the data sheet with all the relevant information are immediately available for download.

**Your handling solution**  
Find your handling solution in a few steps

Your selected system overview:

Characteristic	Value
Handling type	80 gantry
Payload	2 kg
Distance from the centre of mass in the X direction	50 mm
Distance from the centre of mass in the Y direction	40 mm
Distance from the centre of mass in the Z direction	20 mm
Drive system of the X-axis	Electric: several positions
Drive system of the Y-axis	Electric: several positions
Drive system of the Z-axis	Electric: several positions
Working stroke in X direction	1000 mm
Working stroke in Y direction	1000 mm
Working stroke in Z direction	300 mm
Motor position on the X-axis	Left
Motor position on the Y-axis	Left
Fieldbus interface	PROFIBUS
AC 1-phase	230 V
AC 3-phase	400 V
Travel, vertical 1 in Z direction	300 mm
Travel, horizontal in X direction	1000 mm
Travel, horizontal in Y direction	1000 mm

Your system  
Your options

Cad preview:  


Your next step:

Add to basket  
 2D/3D-CAD  
 Documentation  
 Data sheet  
 Send request

Handling solution:  
 Standard system

Collect system

Selected: system # 1  
 Request price

### 3rd step:

Add the selected handling system to your shopping basket and confirm your order. Festo will deliver a ready-to-install system, including all user documentation in accordance with the EC Machinery Directive, as quickly as possible.

## Benefit from our expertise

Do your requirements go beyond standard handling systems?

### Send request

Enter your application data in the Handling Guide Online and send it to our experts with a single mouse click.

### Individually developed

Our project engineers will develop an optimum solution, precisely tailored to your specific requirements.

For full flexibility with loads, dynamic response, working space and mechanics.

## Find out more about the Handling Guide Online

The engineering tool for designing, configuring and ordering your standard handling system.



## Save time and money with standard handling systems

Festo provides ready-to-install standard handling systems in an all-inclusive package for complete peace of mind for all standard applications – fully assembled and tested, including energy chain, connection technology and the appropriate drive package. The individual components match each other perfectly and guarantee reliable operation. This allows you to concentrate on your core business and increase your productivity.

### Benefits at a glance

#### Economical

- Minimum engineering work
- Reduced time and effort for logistics, installation and commissioning

#### Everything from a single source

- Hardware, software, service
- With the right drive package

#### Ready-to-install

- Completely assembled, pre-adjusted, all tubing and wiring fitted and fully tested
- Including all user documentation according to EU directive

#### Versatile

- Solutions for a wide variety of applications
- Electric, pneumatic or a combination

#### Reliable

- Tried and tested standard axes
- Perfectly coordinated components
- Global after sales service

### Single-axis system YXCS

For any single-axis movement.



**Axis types:**  
EGC-TB/ EGC-HD  
(all sizes)

**Motor types:**  
EMMS-AS 40  
/70/100/140

**Good to know:**  
Identical design to Y module of a linear gantry

**Motor controllers:**  
CMMS-AS / CMMP-AS-M3

**Standard strokes:**  
up to 3000 mm

### Linear gantries YXCL

For two-dimensional movements in the vertical working space.



**Axis types:**  
Y module:  
EGC-TB/ EGC-HD  
(all sizes)  
Z module:  
EGC-BS/DGEA/EGSL/DGSL

**Good to know:**  
Adjustment kits always included

**Motor types:**  
EMMS-AS 40 /70/100/140  
EMMS-ST-28 (for EGSL-35)

**Motor controllers:**  
CMMS-AS / CMMP-AS-M3

**Standard strokes:**  
Y module: up to 3000 mm  
Z module: up to 800 mm

### Planar surface gantries YXCF

For two-dimensional movements in the horizontal working space.



**Axis types:**  
Y module:  
EGC-TB/ EGC-HD  
(all sizes)  
Z module:  
EGC-BS/DGEA/EGSL/DGSL

**Good to know:**  
Same design as 3D gantry, only without Z module

**Motor types:**  
EMMS-AS 40 /70/100/140  
EMMS-ST-28 (for EGSL-35)

**Motor controller:**  
CMMS-AS / CMMP-AS-M3

**Standard strokes:**  
Y module: up to 3000 mm  
Z module: up to 800 mm

### Three-dimensional gantries YXCR

For three-dimensional movements in the working space



**Axis types:**  
X module  
EGC (all sizes)  
Y module:  
EGC-TB/ EGC-HD  
(all sizes)  
Z module:  
EGC-BS/DGEA/EGSL/DGSL

**Good to know:**  
New adjusting kit (optional)

**Motor types:**  
EMMS-AS 40 /70/100/140  
EMMS-ST-28 (for EGSL-35)

**Motor controllers:**  
CMMS-AS / CMMP-AS-M3

**Standard strokes:**  
X module: up to 3000 mm  
Y module: up to 2000 mm  
Z module: up to 800 mm

## A perfect match

Festo provides ready-to-install handling systems with individual components that match one another perfectly.

The Handling Guide Online takes on the task of selecting the right combination of components for you.

You receive an optimal combination of kinematics, gear units, motors and motor controllers, simply and reliably.

### Kinematics

- Proven Festo axes
  - EGC-TB and EGC-HD-TB
  - EGC-BS
  - DGEA
  - EGSL
  - DGSL



- Optimised connection technology

- Intelligent energy chain



### Motors and gear units

- Compatible servo-motors
  - EMMS-AS
- Compatible gear unit
  - EMGA

### Motor controller

- Compatible motor controllers
  - CMMP-M0
  - CMMP-M3

Additional information:  
→ [www.festo.com/handling-guide](http://www.festo.com/handling-guide)

