

Handling module HSW

FESTO



Speed!

New in the range of proven handling modules from Festo: the HSW. The compact unit for moving workpieces through an angle of 90° with linear travel at the end positions.

Ready to install

This ready-to-install handling module massively reduces the planning effort, even when connecting grippers and rotary drives.

Cost effective

Overall, the HSW is 20% cheaper than conventional solutions consisting of slides and rotary drives.

Individual

The 90° swivel arm can be adjusted within a range of ±10°. This is ideal for the removal of components from a slanted feeder or for angle compensation during assembly.

Simply quicker and more productive

Cycle rates up to 100 parts/min: the space saving HSW handling module.

Quick – the pneumatic variant

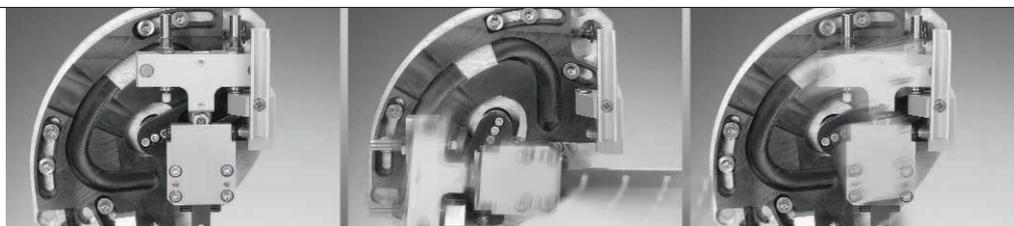
For simple placing tasks between the end positions with cycle times up to 0.6 s.

Flexible – the electrical variant

Ideal for intermediate and holding positions and for mixed assembly and test processes (in preparation).

Compatible

The shaft variant to attach an external drive.



0 sec

0.3 sec

0.6 sec

128.1.PSI →

Product Short Information

Handling module HSW

Variants

1. Pneumatic HSW-AP:

- With pneumatic DSM semi rotary drive
- With/without protective cap
- With/without wait position

Typical applications:

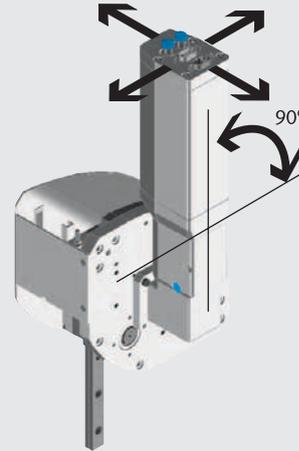
- Quick pick & place tasks with travel from one end position to the other
- Cost effective complete solutions for easy loading and unloading

2. Electrical HSW-AE:

- With additional, directly attached MTR-DCI or with swivelling right-angled gear drive
- Commissioning via integrated teach function and display
- Control via I/O
- Position, speed and torque freely adjustable
- Metallic stops with cushioning elements

Typical applications:

- Pick & place jobs with central eject position for bad parts
- Applications with speed changes, e.g. to carefully place parts



- Possible for hold position to be directly over the workpiece, e.g. for time-critical applications
- Possibility of handling workpieces of different heights

3. HSW without drive:

The shaft variant of HSW to connect to an external drive corresponds to the functionality of the HSP variant.

Typical application:

- To connect an external drive

Mounting options

- Simple: through holes as with HSP
- Precise: centring ring

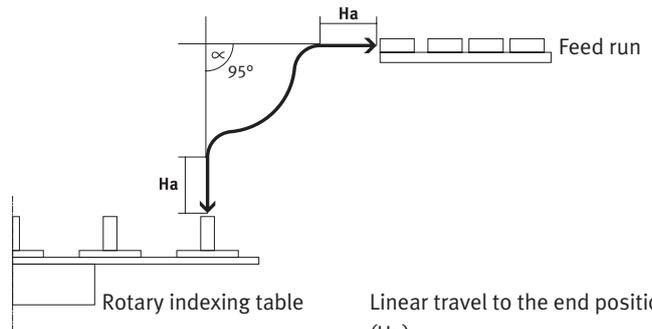
Travel adjustment

- The HSW's pick and place positions can be independently set, as with the HSP.

Accessories: Installation kit, adapter kit

- A preselected package solution is available for installation. No planning is required for this.
- Grippers and rotary drives are connected to the front unit using adapter kits similar to HSP.

Typical example application



Linear travel to the end positions (Ha)

Technical Data		HSW-10	HSW-12	HSW-16
Y/Z travel	[mm]	90/90	142/142	175/175
Swivel angle	[°]	90 ±10		
Linear travel	[mm]	15	25	35
Precision travel adjustment	[mm]	6	10	15
Minimum cycle time AP/AE	[s]	0.6/0.8	0.8/1	1.0/1.2
Typical workpiece loads	[g]	< 100		
Repetition accuracy	[mm]	< ±0.02		
Assembly position		<ul style="list-style-type: none"> • Vertically, working downwards • Vertically, working upwards • Horizontal, for the transfer of components 		

Festo AG & Co. KG

Ruiter Strasse 82
73734 Esslingen
www.festo.com
Tel. +49 711 347-0
Fax +49 711 347-2144
service_international@festo.com