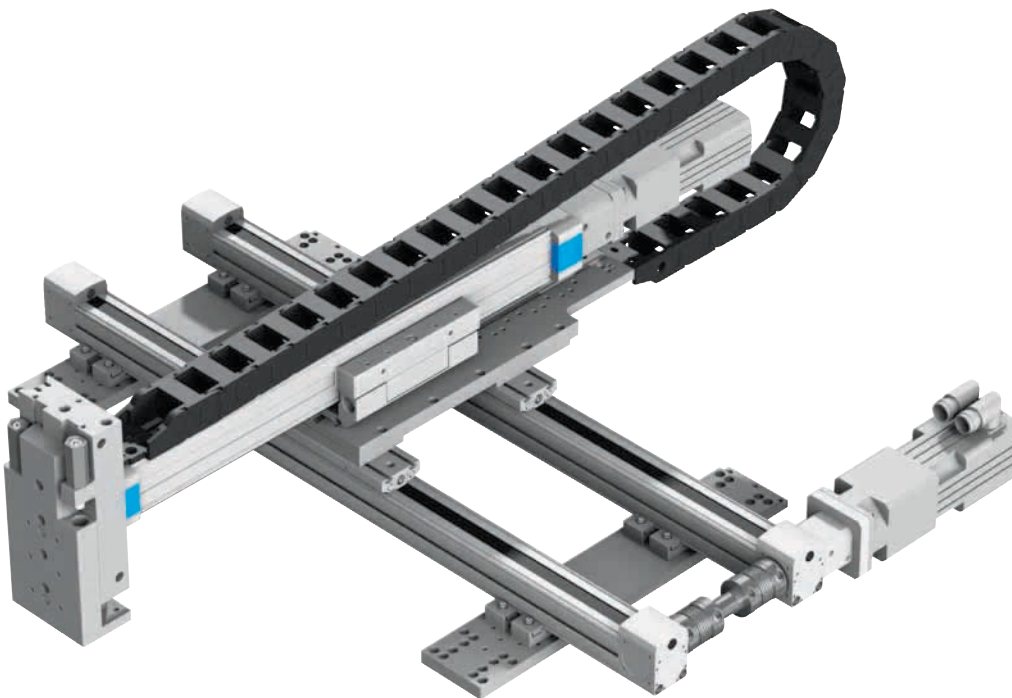




Cantilever axes



A cantilever system is made up of 2 parallel drives, combined with a pick and place unit.

- High mechanical rigidity and sturdy design
- Pneumatic and electrical components – freely combinable
- As electrical solution – variable positioning/any desired intermediate positions

Range of application:

- Cantilever axes are the best 3-axis solution for movements in 3D or in the available space where three-dimensional gantries are too big or the handling unit needs to be retracted from the area of activity
- Long strokes in horizontal plane of up to 3 m
- Very high requirements on system resistance to torsion

Example: assembly industry
Palletising of hinged housings







Requirements

- High dynamic response
- Good positioning flexibility
- Gentle acceleration and braking

Solution

- Cantilever axes with pneumatic axes DGC and handling modules HMP
- Assembled complete with tubing and electrical connections



General	Type	Important characteristics	Axis design	Effective load	Max. effective strokes	Components
	<ul style="list-style-type: none"> • Cantilever axis • Free movement of Z-axis in the available space (3D) 	<ul style="list-style-type: none"> • High process reliability thanks to installation integration • Pneumatic and electric drives • Repetition-accurate, centralised direct axis connections 	X: Gantry axes Y: Gantry axes or cantilever axes Z: Cantilever axes or slides	0 to 6 kg	X: Up to 3000 mm Y: Up to 3000 mm Z: Up to 400 mm	X: DGC/DGPL, DGE/EGC Y: DGC/DGPL, DGE, EGSA, HME, EGC , HMP/HMPL Z: EGSA, DGSL SLT/SLTE, HMPL
Standard sizes						
	Standardised cantilever axis in three effective load categories <ul style="list-style-type: none"> • Size 1.0 	<ul style="list-style-type: none"> • The simplest of designs by virtue of standard combinations 	X: Gantry axes Y: Gantry axes or cantilever axes Z: Cantilever axes or slides	0 to 2 kg	X: Up to 3000 mm Y: Up to 200 mm Z: Up to 1600 mm	X: DGC/DGPL, DGE/ EGC Y: HMPL Z: DGSL, HMPL, EGSA
	<ul style="list-style-type: none"> • Size 2.0 			0 to 4 kg	X: Up to 3000 mm Y: Up to 400 mm Z: Up to 1600 mm	X: DGC/DGPL, DGE/ EGC Y: HMP, DGEA Z: DGSL, HMPL, DGEA, EGSA
	<ul style="list-style-type: none"> • Size 3.0 			0 to 6 kg	X: Up to 3000 mm Y: Up to 400 mm Z: Up to 400 mm	X: DGC/DGPL, DGE/ EGC Y: HMP, DGEA, EGSA Z: HMP, DGEA, EGSA

