

ACOPOStrak Ultimate Production Effectiveness



ACOPOStrak The basics

Operating principle

Shuttles carry permanent magnets

Magnetic flux density B generates attraction ${\rm F_V}$ toward the stator

Stator consists of an array of coils

Stator can be very long (hence "long stator")

Current feed into stator coils generates controlled propulsion



Magnets







ACOPOStrak 7 key product features



ACOPOStrak Track design flexibility

Track design flexibility







Guide rails

Shuttle	Straight guide	45°	90°	135°	180°
Track length	660 mm	900 mm	1140 mm	1380 mm	1620 mm



Track design flexibility

Grid allows maximum morphological degree of freedom





High-speed diverters



High-speed diverters

High-speed diverters

Merge or divide product flows at full speed

Diverters can be created at any position of the track, combining a straight and a curved segment

Fully electronic diverter technology

100% free of wear and maintenance





OEE

Hot-swappable shuttles



ROI

High-productivity design

12-



High-productivity design

Technical data	Specification		
Minimum product pitch	50 mm		
Speed	>4 m/s		
Acceleration	>50 m/s²		
DC bus voltage	60 VDC (energy sharing trough common DC bus)		
Mounting orientation	Any (e.g. vertical, horizontal, inclined)		





Smart system software









Smart system software

Process oriented programming

Describe the rules that define the product flow on the track No individually programming of a multitude of axes and shuttles

Integrated collision avoidance





Integrated simulation









ACOPOStrak 6 technology benefits















RO

OEE

Parallel processing and load balancing







Reduced machine footprint





PERFECTION IN AUTOMATION