
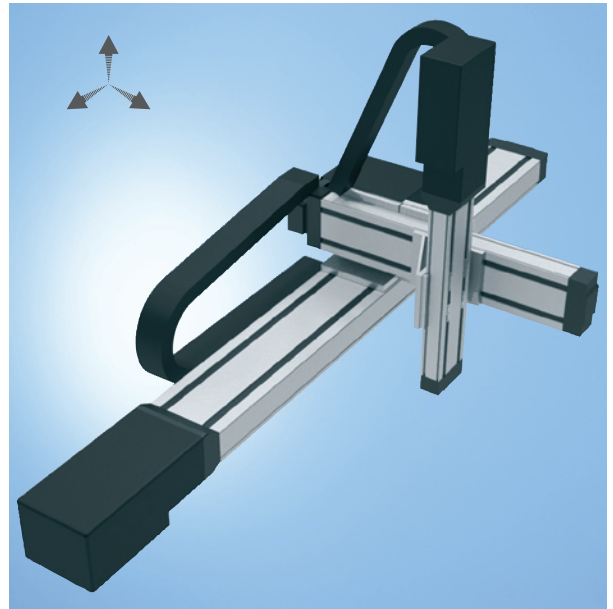



Examples – Three-axis systems

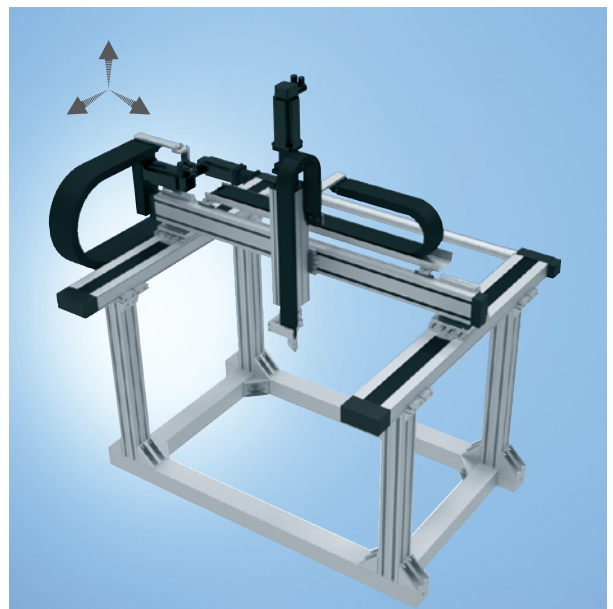
CMS 	
Part number	R035770019
Technology	Completely pre-assembled three-axis system with motor, drive unit, cable management chains, control system, servo controller (Sercos controller / IndraMotion), operator control unit, and cable set
Axes	(X) CKK 20-145 / (Y) CKK 15-110 / (Z) CKK 12-90
Advantages	System pre-configured for immediate start-up. Fast selection on the internet or by your sales partner. Three-axis system selectable in two configuration variants




Application example: Handling	
Payload	max. 12 kg
Linear speed	max. 1.0 m/s
Stroke	max. 1000 mm
Repeatability	medium / high

camoLINE 	
Part number	R115950016
Technology	Three-axis system, completely assembled, including profiled support and connection elements
Axes	(X) 2 x CKR 20-145 / (Y) CKK 15-110 / (Z) pneumatic gripper
Advantages	Flexibility thanks to modular building system principle. Easy-2-Combine interface for combining electric axes and pneumatic components. Standardized modular dimensions and spacing minimize installation effort

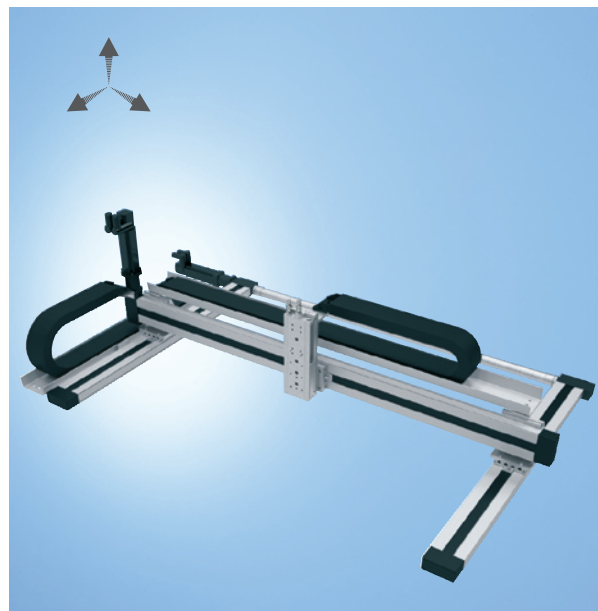
Application example: Handling	
Payload	1.2 kg at the gripper
Linear speed	0.3 m/s
Stroke CKR	up to 1720 mm
Stroke pneumatic gripper	6 mm
Repeatability	medium




Examples – Three-axis systems

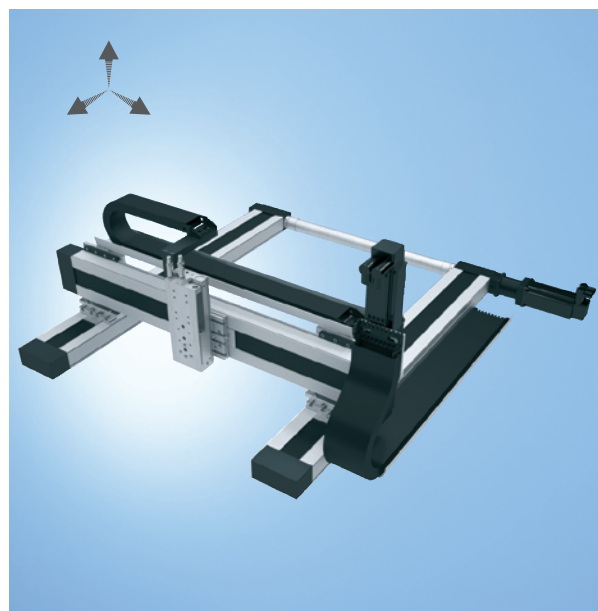
camoLINE 	
Part number	R115950007
Technology	Three-axis system, completely assembled, cable management chain, connecting shaft, and piston rod cylinder
Axes	(X) 2 x CKR 12-90 / (Y) CKR 12-90 / (Z) MSC
Advantages	Flexibility thanks to modular building system principle. Easy-2-Combine interface for combining electric axes and pneumatic components. Standardized modular dimensions and spacing minimize installation effort. Includes profiled support and connection elements

Application example: Automotive assembly line	
Payload	2 kg
Linear speed	0.6 m/s
Stroke	up to 1720 mm
Repeatability	medium



camoLINE 	
Part number	R115950004
Technology	Three-axis system, completely assembled, with connection elements
Axes	(X) 2 x CKR 20-145 / (Y) CKR 20-145 / (Z) piston rod cylinder (MSC)
Advantages	Flexibility thanks to modular building system principle. Easy-2-Combine interface for combining electric axes and pneumatic components. Standardized modular dimensions and spacing minimize installation effort. Includes profiled support and connection elements

Application example: Automotive assembly line	
Payload	5 kg
Linear speed	0.5 m/s
Stroke	1720 mm
Repeatability	medium





Efficient Handling Solutions	
Part number	R115800167
Technology	Three-axis system (portal), with connection elements and special motors attached
Axes	(X) 2 x MKK 20-80 / (Y) BKK 20-135 / (Z) CKK 15-110
Advantages	Load-optimized BKK with angled carriage for highest rigidity. X-axes synchronized electrically via controller

Application example: Dispensing	
Payload	48 kg
Linear speed	0.6 m/s
Stroke	1285 mm
Repeatability	high
Special feature	Use of screw supports possible to achieve higher travel speeds



Efficient Handling Solutions	
Part number	R115800168
Technology	Three-axis system (portal), with connecting shaft, angular gears, and connection brackets
Axes	(X) 2 x MKR 25-110 / (Y) CKR 25-200 / (Z) CKK 20-145
Advantages	Angular gears to exploit the full dynamic potential in restricted spaces

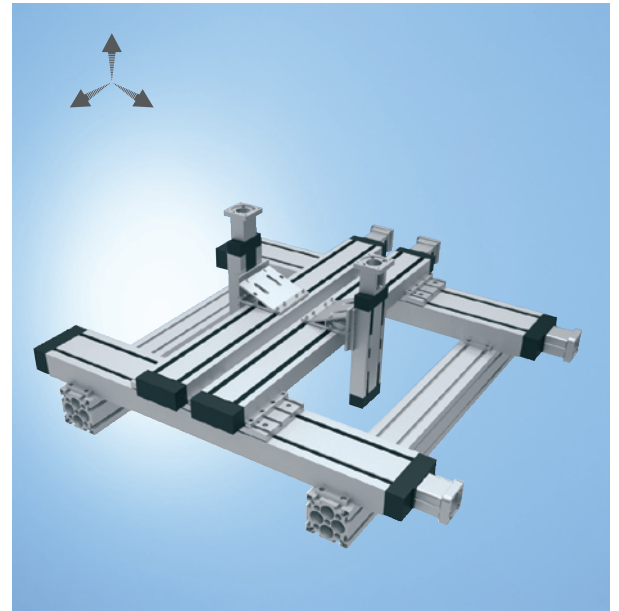
Application example: Beverage filling plant	
Payload	30 kg
Linear speed	2.0 m/s
Stroke	1890 mm
Repeatability	medium



Examples – Three-axis systems

Efficient Handling Solutions	
Part number	R115920158
Technology	Three-axis system (combination) with special motor attached via motor mount and coupling
Axes	(X) 2 x CKK 20-145 / (Y) 2 x CKK 15-110 / (Z) 2 x CKK 12-90
Advantages	Compact system with ball screw drives enables precise motion and positioning

Application example: PCB assembly	
Payload	0.2 kg
Linear speed	0.5 m/s
Stroke	920 mm
Repeatability	high



Efficient Handling Solutions	
Part number	R115800189
Technology	Three-axis system (combination) with cable management chain and integrated gearbox for servo motor
Axes	(X) CKR 25-200 / (Y) CKK 20-145 / (Z) CKK 15-110
Advantages	Integrated gearbox reduces space requirement. Fast travel over long distances due to toothed belt drive saves time

Application example: Pick & Place	
Payload	2 kg
Linear speed	1.1 m/s
Stroke	6445 mm
Repeatability	medium
Special feature	Ceiling-mounted module





Efficient Handling Solutions	
Part number	R115800108
Technology	3-axis Ball Rail Table with cable management chain. TKL with integrated position measuring system and distance coded reference marks
Axes	(X) TKL 30-325 / (Y) TKL 25-275 / (Z) TKK 20-225
Advantages	Integrated position measuring system combined with high-dynamic linear motor enables highly precise travel at high speeds and accelerations. Different systems can be combined with each other for optimal tuning. TKK also available with glass scale

Application example: Attaching magnets to large rotors	
Payload	42 kg
Linear speed	1.4 m/s
Stroke	1434 mm
Repeatability	high
Special feature	Y-axis supported by steel base

