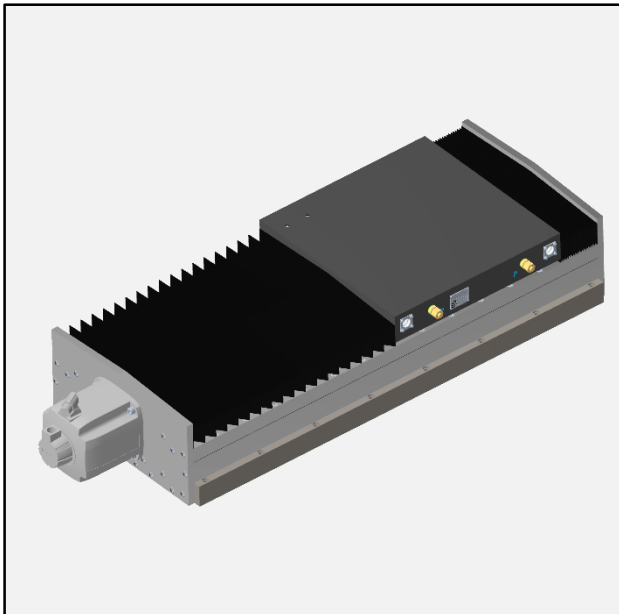


Max. Precision at linear motion!

Hydrostatic Linear Axes



Special features:

- entire linear axes with hydrostatic guide shoes
- with both linear motor drive or hydrostatic lead screw with drive and servomotor
- with linear scale
- with cover bellow or telescopes
- table length and stroke according to customer requirements
- production and assembly according to customer technical drawings
- horizontal oder vertical

Advantages of hydrostatic axes:

- **wear free even with oscillations**
=> characteristics and production accuracy remain unchanged for many years
- **free of play and friction free**
=> positioning precision with accuracy of position measurement
=> very small steps and very slow move possible
- **no vibration and no noise**
=> best possible surface quality
=> only sound of drive
- **excellent damping**
=> vibration absorption for best surface quality and material removal rates
=> long tool lifetime
- **high load capacity at max. speed**
=> high loads and high machining forces at high speed possible
- **very high stiffness and low energy input using PM-flow controller**
=> improved precision at work piece
=> higher dynamics possible

table width	300 mm	450 mm	600 mm
table length and stroke	300, 450, 600mm	450, 600mm	450, 600mm
max. load capability	2.400 bis 6.900 kg	4800 bis 12.000kg	4800 bis 18.000 kg
max. driving force	bis 8000 N	15.000 N	15.000 N
max. speed	30 bis 100 m/min	25 bis 80 m/min	25 bis 80 m/min
pump pressure	32, 50 oder 80 bar	32, 50 oder 80 bar	32, 50 oder 80 bar
oil type depending on speed	VG68, VG46, VG32	VG68, VG46, VG32	VG68, VG46, VG32
max. oil demand at 32bar	0,2 bis 1,3 l /min	0,4 bis 1,9 l/min	0,5 bis 2,5 l/min
energy input at 32bar	15 bis 130 Watt	30 bis 140 Watt	30 bis 180 Watt

Linear axes dimensions adaptable to customer requirements. Different table sizes and stroke lengths available on request. Oil type and pump pressure optimized for best vibration dampening characteristics.