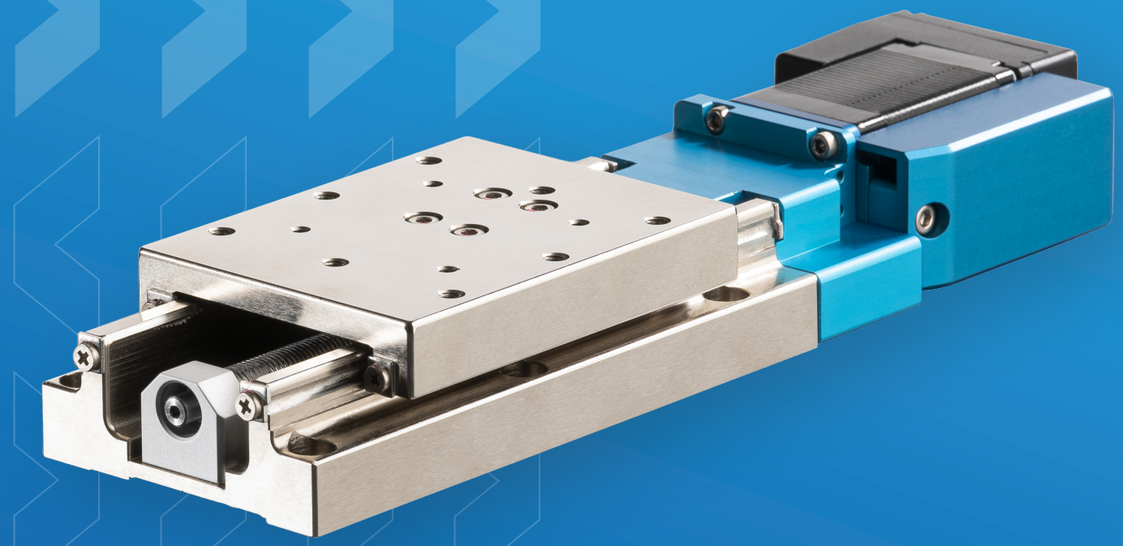
TECHNICAL SPECIFICATION

Table Size	50x50	60x60	80x80	mm
Table Stroke	20 / 30	20 / 30 / 50	20 / 30 / 50	mm
Pitch	1 (Preloaded ball screw)			mm
Repeatability / Accuracy*	+/- 500 (+/- 250 with Ezi-SERVO®)			nm
Maximum Speed*	20 (up to 50 with Ezi-SERVO®)			mm/s
Minimum Step*	500 (250 with Ezi-SERVO®)			nm
Straightness	2			µm
Parallelism	20			µm
Accuracy	5			µm
Load	6	7	8	kg
Material	Stainless steel (Body and rail = one piece)			
Motor	Nanotec® / Fastech 2 phase stepper motor			
Connector	Harting ix Industrial®			
Limit Switch	Photoelectric			
Power Voltage	24			V DC
Compatibility	Any 2 phase stepper motor controller			
Controller	Fastech Ezi-SERVO® (Open loop / closed loop (rotary encoder))			

* with the closed loop controller Ezi-SERVO®

NOTES



CXS HIGH PRECISION LINEAR STAGE

[SIMPLIFIED PRECISION // GMT EUROPE GMBH]

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26655 Westerstede

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STAINLESS STEEL INTEGRATED RAILS

» The CXS positioning stage is characterized by it`s monoblock design. The guides and the body are made of one stainless steel profile. The combination with gothic arch ball guiding results in extremely high precision with very high thermal stability and smooth running. Preloaded angular ball bearings and the C3 ball screw enables backlash-free positioning with a repeatability of less than1 µm.

MULTI AXIS POSITIONING STAGE

The stages can be mounted directly as an XY combination. The assembly to the XYZ version of the CXS table is realized by an angle bracket.

AVAILABLE AXIS WIDTHS

50 mm / 60 mm / 80 mm

AVAILABLE STROKES

20 mm – 50 mm

HIGH VERTICAL RANGE OF MANUFACTURE

GMT is characterized by a high vertical range of manufacture. All mechanical components are manufactured in-house. The guideways are ground and hardened in our modern factory. This enables us to maintain a stable supply situation with direct influence on all quality critical components and manufacturing processes. Of course, GMT is ISO certified and follows all necessary specifications such as REACH, RoHs as well as CE machinery guidelines.

ASSEMBLY AND QUALITY CONTROL IN GERMANY

GMT has a state-of-the-art measuring center and detailed quality control. Furthermore, all products are also subjected to a final quality control in Germany. The final assembly process in Germany enables us to ensure short delivery times even with a large number of variants.

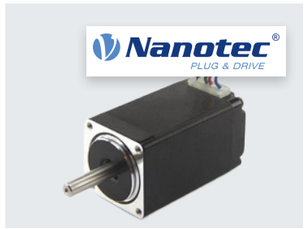
OPTIONS

INTEGRATED PLUG AND PLAY CLOSED LOOP CONTROLLER OPTION

- High resolution (16.000 pulse per turn)
- No hunting
- RS485/USB connector to PC
- Comes with Windows Software
- Programmable by LabView, C++, MatLab, C# etc.
- High torque, with very continuous motion

OPEN LOOP NANOTEC® STEPPER MOTOR

- Integratable to any 2 phase stepper motor controller
- High quality, long life time
- High holding torque
- High precision accuracy
- No hunting



EXTERNAL PLUG AND PLAY CLOSED LOOP CONTROLLER OPTION

- High resolution (16.000 pulse per turn)
- No hunting
- RS485/USB Ethernet or EtherCAT interface
- Comes with Windows software
- Programmable by LabView, C++, MatLab, C# etc.
- High torque, with very continuous motion
- Positioning table

PROFESSIONAL INDUSTRIAL CONNECTOR

- Harting ix industrial connector®
- Robust and miniaturized connector
- Stable and reliable
- Easy plug and play
- Shielded cable
- Adapters available