positioning system

Linear Unit NC-200

FLG AUTOMATION

- ✓ Used and proven in a variety of assembly, handling and palletizing systems and applications
- ✓ High accuracy through linear boxways
- ✓ Compact design and high load capacity
- ✓ Optimized installation dimensions with high usable hub
- ✓ Long life
- ✓ Low-maintenance
- ✓ 3 years warranty

The System

Guidance quality for all situations

Linear actuators are widely used in the field of automation and engineering today. The application area ranges from simple traversing units, up to highly complex multi-axis systems for assembly or measurement and inspection tasks. With the linear unit NC 200 such diverse design tasks can be solved inexpensively and accurately.

Over 30 years experience in the field of automation and thousands of field-proven linear units guarantee a safe process. The use of linear boxways allows high torque loads and long service life.

Advantages

- Aluminium C-Profile
- High torsional stiffness / flexural strength
- Built-in slide out precision inductive limit switches on the central connector in the base body
- Limit switch by mechanical damping elements overflow safely
- Closed design through fully integrated toothed belt
- Flexible modular construction
- Multiple combination possibilities
- Variable guide assembly
- Power transmission by reverse backlash precision toothed belt with steel core
- Standard fasteners

Fields of application

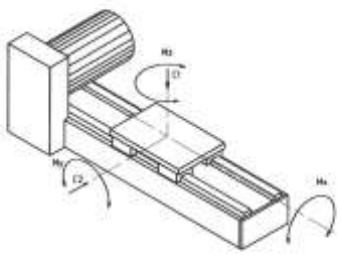
- Pick-and-place, assembly, removal
- Assembly, handling
- Screws, ultrasonic- / laser welding, bonding etc.

Drive options / motor positions

- Standard drive via servomotor
- Optional: customer specific drive solutions
- Variable motor flange arrangement
- Variable control concepts

Moment of inertia of the body

parallel guidance
- M_x = 350 Nm
- M_y = 510 Nm
- M_z = 450 Nm



orthogonal guidance
- M_x = 400 Nm
- M_y = 450 Nm
- M_z = 450 Nm

Technical Specifications

Travel speed:	max. 2 m/s
Acceleration:	max. 2 m/s^2
Repeatability:	+ 0,05 mm
Hub:	300 - 4.000 mm (other sizes on request)
Weight without engine:	5,5 kg + 0,8 kg/100 mm
Axial holding force:	250N
Load capacity:	50 kg
Static carrying capacity C 1 / C 2:	5.000 N / 2.500 N
Moment of inertia Ix / Iy:	588 cm^4 / 2.278 cm^4

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