



LR-HE *plus*

“High Efficiency” linear robot

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DESCRIPTION

Highly efficient 3-axis linear robot with Omega belt drive for the maximum-precision application of reactive polymer materials. A MOBILE PANEL operated, dialog/menu-based system is used to run, program and control the machine. The operating data is displayed on a 8.4" touch screen fitted to the central dosing and mixing control unit.

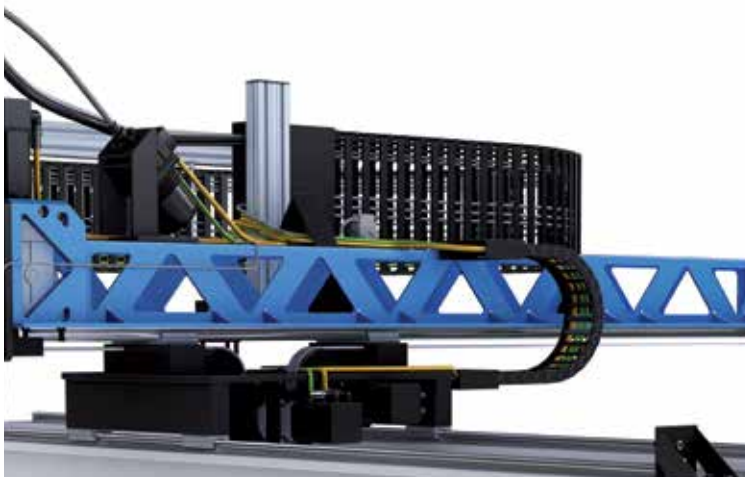
- Chassis section based on a robust welded steel-frame construction, with screwable base frame, fitted with adjustable leveling feet and floor-anchoring points
- Guide system with maintenance-free, low-wear linear bearings
- AC servo drives on all axes, with Omega belt drive on the X- and Y-axis and toothed rack drive on the Z-axis
- Precision transmissions on the X-, Y- and Z-axis
- Mechanical reference switches
- Use of supply-line guide chains, for the securing of compressed-air, electrical and hydraulic power lines
- Control unit and all electrical subassemblies are installed in the switchgear cabinet of the dosing and mixing unit
- Traversing control integrated in central mixing and dosing unit “IPC” control
- Multi-function Teach-In-Box - MOBILE PANEL

TECHNICAL SPECIFICATIONS

• Max. sliding speed:	35 m/min
• Max. acceleration:	5 m/s ²
• Repeating accuracy:	+/- 0.10 mm
• Load capacity:	20 kg
• Coating – Chassis section:	2-component industrial grade coating, RAL 7035 (light grey)
• Electrical system:	according to EN 60 204-1 standard
• Mains power supply:	3 x 400 V, 50 Hz or 60 Hz, or according to country specification
• Rated capacity:	approx. 2 kVA
• Average consumption:	approx. 1 kVA

VARIANTS

- 1.000 x 1.000 x 300 mm (x/y/z)
- 1.500 x 1.000 x 300 mm (x/y/z)
- 2.000 x 1.000 x 300 mm (x/y/z)
- 2.500 x 1.000 x 300 mm (x/y/z)
- 3.000 x 1.000 x 300 mm (x/y/z)
- Optional Y-axis 1.250 mm
- Optional Z-axis 500 mm
- Further technical information are available upon request



3-axis linear robot with
Omega belt drive