

LinMot®

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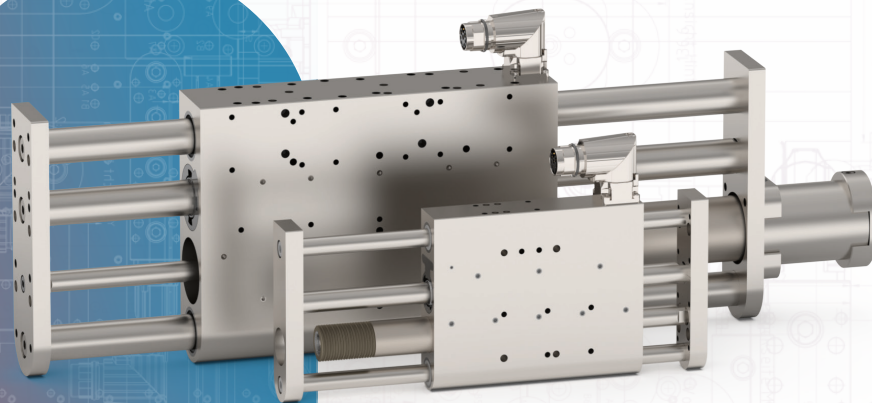
Linear Modules

DM03

Slim solution with integrated load compensation

Designed specifically for vertical applications, the DM03 series of linear modules offers a large stroke range in a very slim housing. This means that DM03 linear modules can be placed close together to save space. The slim module already incorporates a new, more powerful generation of MagSpring® for vertical load compensation and can be supplemented with a high-resolution position sensor in the housing or a force sensor on the front if required.

- Very slim design
- Ideal for vertical applications
- Integrated MagSpring load compensation
- 5 sizes with maximum forces up to 572N
- Optional absolute position sensor
- Optional force sensor
- Can be combined with all LinMot Modules



Smart solutions are driven by
LinMot

DM03

VERTICAL DYNAMICS

Versatile and slim

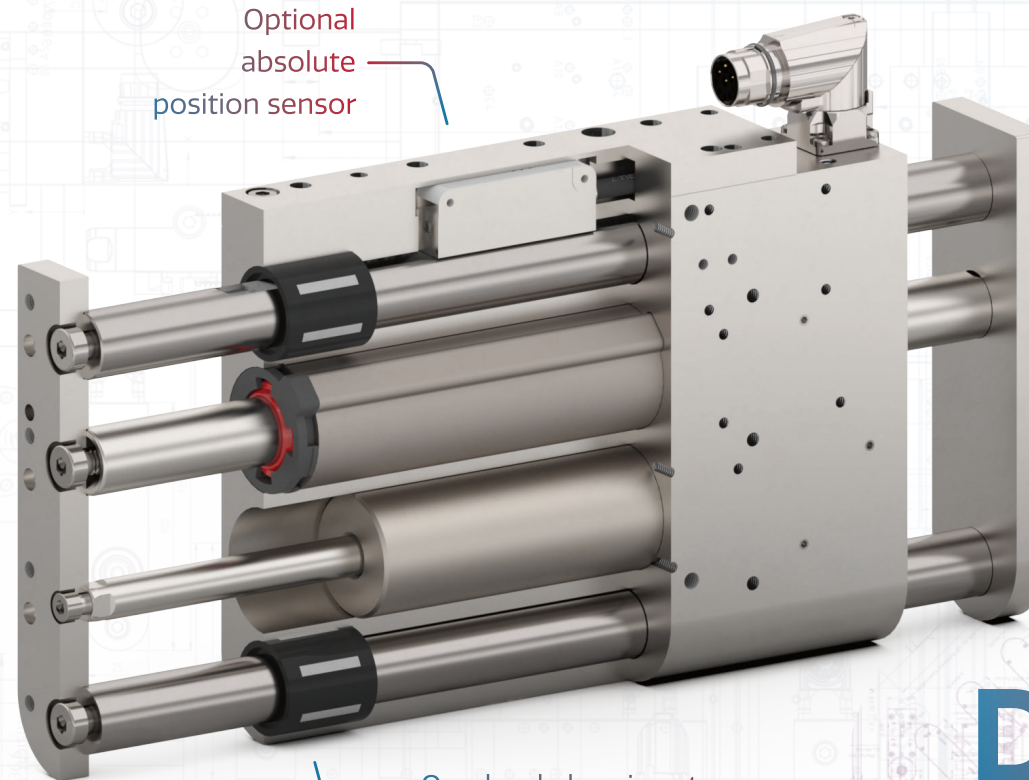
The newly designed DM03 linear modules are particularly slim: thanks to the design and side motor connections, the overall width of the largest module is just 50 mm. An absolute position sensor with BiSS protocol is available as an option. The sensor's high repeatability makes it suitable for very precise positioning of small parts.

Integrated load compensation

Installed in parallel with the linear motor, the MagSpring acts as an intelligent load compensator. With the new generation of MagSprings, the weight compensation can be selected in steps from 11 N to a maximum of 170 N. Thanks to the fine gradation of the MagSpring, applications can be designed in such a way that the position of the linear motor does not automatically change in the event of a fault, or that a reference position is automatically reached when the motor is switched off.

Lifting movement in record time

Labelling involves handling packages of different sizes on a conveyor belt. Depending on the size of the package, different strokes have to be covered and the labelling process has to be as fast as possible. The DM03 linear module demonstrates its outstanding dynamics in such high-speed processes.



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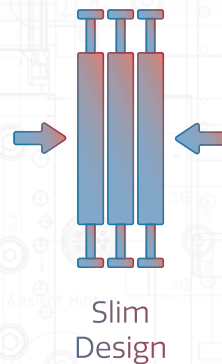
5 sizes with maximum forces from 67N to 572N

Optional force sensor

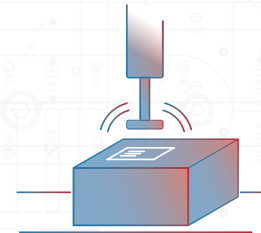
DM03
PERFECT FOR VERTICAL APPLICATIONS



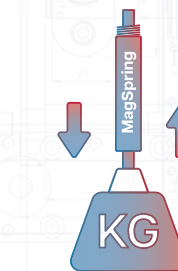
Easy to Clean



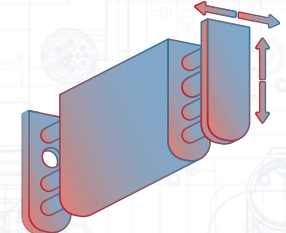
Slim Design



Position and Force Sensor



Integrated Load Compensation



Lateral Force Absorption

ALL LINEAR MOTION FROM A SINGLE SOURCE

Would you like to know more about LinMot Products?
Discover all the advantages of the new Linear Module
DM03 on our website and set the future of your
machines in motion.



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