



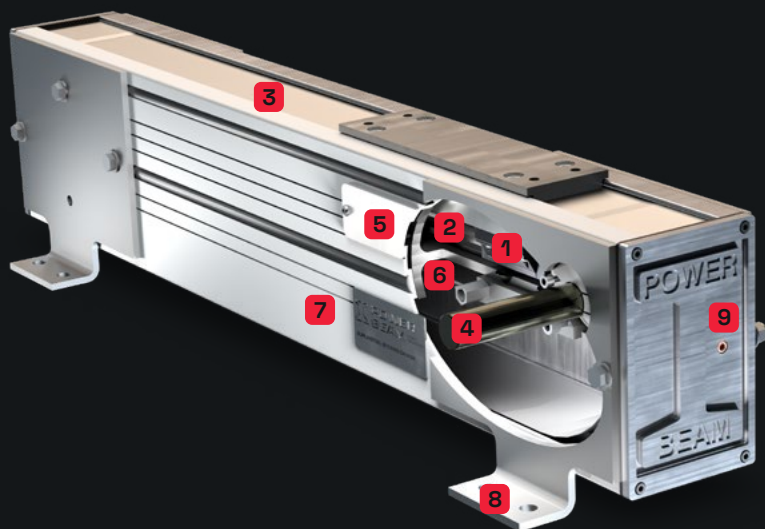
IM Series

Motor-driven linear motion engineered for
high force capacity and controlled, repeatable
positioning in automation systems.

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IM Series

Specifications



- 1 Load attaches to the plated steel carriage, supported by two full-size linear guides.
- 2 Rigid, high tensile aluminum "I" beam.
- 3 Polyester or stainless steel dust belt protects internal components ("closed loop" design).
- 4 Custom motor shaft to fit any motor requirement or type.
- 5 External, easy access to linear bearing lubrication fittings.
- 6 High-strength timing belt that moves the carriage.
- 7 Extruded aluminum covers with integral switch mounting, combined with a dust belt, provide an enclosed linear drive, protected from contamination.
- 8 Heavy mounting brackets (plated steel, multi-position).
- 9 Purge port allows application of low-pressure air to further prevent ingress of contamination.

Designed for demanding automated positioning applications, the IM Series delivers drive forces up to 1,000 lbs and is available with either a high-tensile reinforced belt drive or precision ball screw drive to match specific speed, force, and positioning requirements. Its versatile design accommodates virtually any motor type, including stepper, servo, AC, hydraulic, or pneumatic systems. Multiple drive shaft sizes up to 1.38 inches simplify integration into both new and existing equipment.

Precision repeatability of ± 0.005 inches ensures consistent, accurate positioning. Belt-driven models can achieve speeds up to 100 inches per second for high-performance motion control. For space-constrained applications, the compact IMC configuration offers reduced external dimensions and a shorter carriage plate, delivering the same reliable performance in a smaller footprint.

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