

Luge LM with Shield



BAYSIDE[®]
MotionGroup
PRECISION IN MOTION



► Luge LM Shield:

- Fully Enclosed
- High Speed
- Long Travel

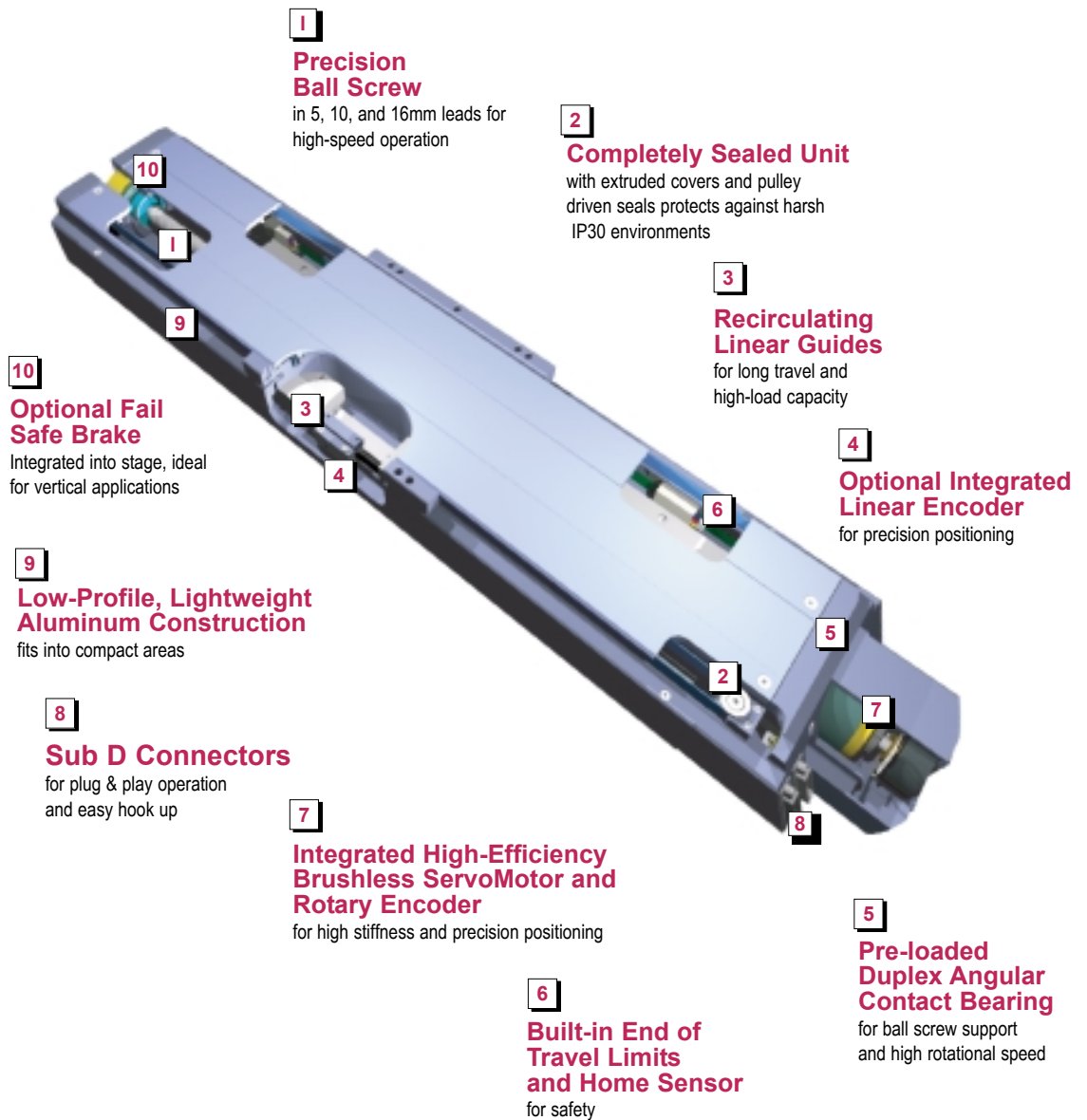
When to Use:

- High speed
- Long travels
- Low profile
- Compact
- Precision
- Fast move and settle
- High duty cycle

Applications:

- Material Handling
- Packaging
- Paper Converting
- Robotics
- Semiconductor

Featuring a precision ball screw drive (available in 5, 10 and 16mm leads), stages provide high repeatability and accuracy. Recirculating linear ball guides allow velocities up to 1,300mm / sec, while offering exceptional load carrying capabilities. These stages are available with travel from 200 to 2,000mm. The preloaded ball screw provides standard repeatability within 5 microns.



A Stage and Motor all-in-one

The Luge LM with Integral Motor is unique because the brushless servo motor is built directly onto the ball screw as a direct drive. This decreases overall length, while providing superior dynamic performance over conventional mounting methods. Eliminating the motor mounting and flexible coupling increases positioning accuracy and repeatability, providing greater reliability. A rotary encoder is directly mounted to the ball screw, eliminating any build-up of errors.

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