**STANDARD FEATURES**

**Stage**
- Linear Stage

**Travel**
- 100mm to 1000mm

**Motor**
- Ironless Core Linear Motor

**Feedback**
- Non-Contact Optical Encoder

**Scale**
- Gold Tape Scale
  - Optional: Near Zero CTE ZeroMet

**Resolution**
- 1Vp-p Analog Output (5mm with 4096 Interpolation)
  - Digital Output Options: 5mm, 1mm, 0.5mm, 0.2mm, 100nm, 50nm, 20nm**, 10nm**, and 5nm**
  - (**) Reduced Speeds Apply

**Sensors**
- Integrated Home and End of Travel Limits

**Bearings**
- Recirculating Ball Rail Bearings

**Cables**
- High Flex, 10M Cycle, 3m Length

**Structure**
- Anodized Aluminum 6061-T6
  - Optional: Stainless Steel

**Environment**
- Standard
  - Optional: Clean Room and Vacuum (10-6 Torr)

**Temperature**
- 0°C to 50°C

**Humidity**
- 10% to 80% Non-Condensing

**Precision**
- 6-D Nano Precision™ Test Methods

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**DETAIL A**

- TRAVEL LENGTH A (QTY) B (QTY)
  - 100 320 6 4
  - 150 370 8 6
  - 200 420 8 6
  - 250 470 10 8
  - 300 520 10 8
  - 400 620 12 10
  - 500 720 14 12
  - 600 820 16 14
  - 700 920 18 16
  - 800 1020 20 18
  - 1000 1220 24 20

* All units millimeters unless otherwise noted.
* All hole patterns centered on M5 dowel pin hole at center of stage.

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**NOTE: MODEL AI-LM-50000-U11-S SHOWN.**

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**NOTE: ALL SIZES CAN BE ORDERED AS STACKED OR GANTRY XY CONFIGURATIONS.**