

Linear Motion Report – 2021

Published January 2021
Daisuke Muto, Analyst

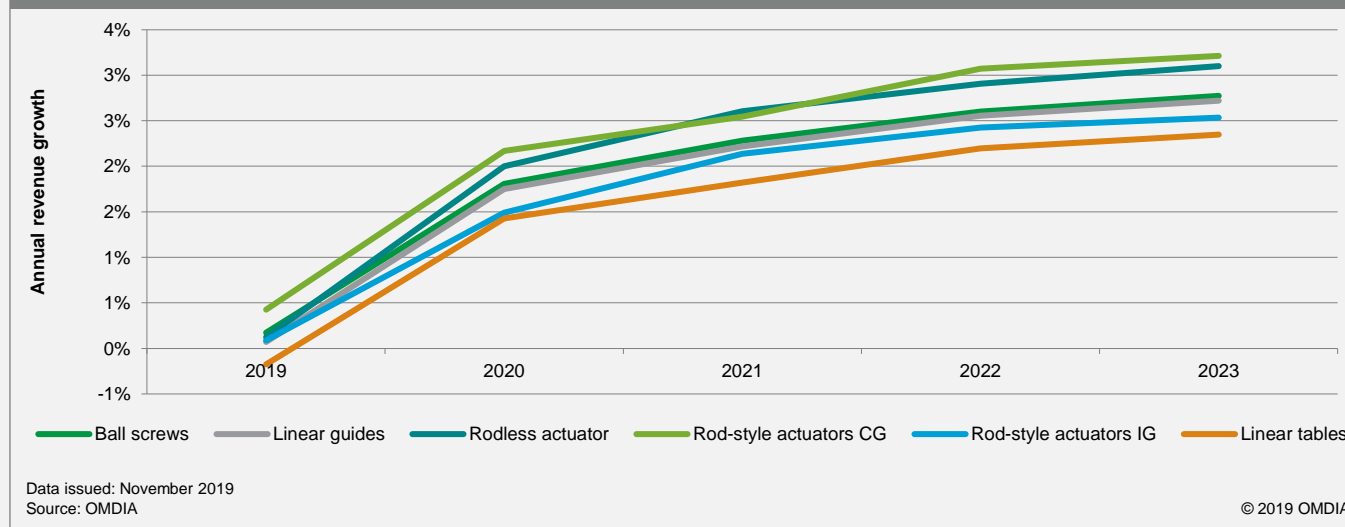
HOW OMDIA HELPS YOU

- Size the linear motion market by...
 - Region
 - Industry
 - Accuracy grade
 - Actuator and motor type
 - Dynamic load
 - Linear guide type
 - Ball screw diameter
 - Market share by product

KEY QUESTIONS ADDRESSED

- Updated statistics on the size of the linear motion products market in 2019, both in terms of dollar revenues and unit shipments for each product type.
- How will economic indicators affect linear motion suppliers for the next five years?
- What are the major trends from the point of view of customer demand and how are manufacturers responding?
- What companies are the market share leaders for each product type analyzed in this report? How have merger & acquisition activity, new product launches, and other strategic announcements affected the competitive environment?

Figure 1: The market for Linear motion products by product type: World - Annual Growth sample table



Linear Motion: Research Coverage

Frequency: Annual

- 2019 and 202 base years
- 5-year annual forecast (2020 - 2024)

Measures

- Revenues (\$M)
- Unit shipments
- Average Selling Prices
- Market Share

Regions

- Americas
- EMEA
- Asia-Pacific

MARKETS

- Agriculture & Construction
- Automotive
- Electronics & Assembly
- Food, Beverage & Tobacco
- Machine Tools
- Materials Handling
- Medical*
- Mobile Off-Highway
- Printing
- Packaging & Labelling
- Paper & Paperboard
- Renewable Energy
- Robotics
- Semiconductor
- Textiles
- Woodworking
- Other

* Medical

- Scanning & Imaging
- Mobility & Patient Handling
- Lab Automation
- Treatment
- Other

ACCURACY GRADE

Ball Screws

- 0-3
- 4-6
- 7-10

Linear Guides

- Super Precision
- Precision
- High Accuracy Standard

BALL SCREW DIA.

- < 10mm
- 10.0 – 16mm
- 16.1 – 32mm
- 32.1 – 63mm
- > 63mm

LINEAR GUIDE SIZE

- < 15mm
- 15.1 – 45mm
- 45.1 – 55mm
- 55.1 – 65mm
- > 65mm

ACTUATORS DYNAMIC LOAD

- < 0.5kN
- 0.51–1.25kN
- 1.26–2.5kN
- 2.51–10kN
- 10.1 – 50kN
- 50.1 – 100kN
- > 100kN

ACTUATOR & LT MOTOR TYPE

- No Motor
- Stepper
- Servo
- Induction
- Other

SALES CHANNEL

- Direct to OEM
- Distribution
- Direct to End-User
- Systems Integrators

LINEAR GUIDES

- Miniature Profile
- Profile Un-caged Ball
- Profile Caged Ball
- Profile Un-caged Roller
- Profile Caged Roller
- Round Rail

BALL SCREWS

- Ground
- Rolled
- Satellite Roller

RODLESS ACTUATORS

- Ball Screw
- Belt
- Lead (Acme)

LINEAR TABLES

- Ball Screw
- Belt
- Lead (Acme)

ROD-STYLE LINEAR ACTUATORS (CG)

- < 10% Duty Cycle
- 10 – 70% Duty Cycle

ROD-STYLE LINEAR ACTUATORS (IG)

- > 70% Duty Cycle