Linear Motion Report – 2021

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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

<table>
<thead>
<tr>
<th>Product Type</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ball screws</td>
<td>0%</td>
<td>2%</td>
<td>3%</td>
<td>3%</td>
<td>4%</td>
</tr>
<tr>
<td>Linear guides</td>
<td>1%</td>
<td>2%</td>
<td>3%</td>
<td>3%</td>
<td>4%</td>
</tr>
<tr>
<td>Rodless actuator</td>
<td>1%</td>
<td>2%</td>
<td>3%</td>
<td>3%</td>
<td>4%</td>
</tr>
<tr>
<td>Rod-style actuators CG</td>
<td>1%</td>
<td>2%</td>
<td>3%</td>
<td>3%</td>
<td>4%</td>
</tr>
<tr>
<td>Rod-style actuators IG</td>
<td>1%</td>
<td>2%</td>
<td>3%</td>
<td>3%</td>
<td>4%</td>
</tr>
<tr>
<td>Linear tables</td>
<td>1%</td>
<td>2%</td>
<td>3%</td>
<td>3%</td>
<td>4%</td>
</tr>
</tbody>
</table>

Data issued: November 2019
Source: OMDIA © 2019 OMDIA
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

**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

**RODLESS ACTUATORS**
- Ball Screw
- Belt
- Lead (Acme)

**SALES CHANNEL**
- Direct to OEM
- Distribution
- Direct to End-User
- Systems Integrators

**LINEAR GUIDES**
- Miniature Profile
- Profile Uncaged Ball
- Profile Caged Ball
- Profile Uncaged Roller
- Profile Caged Roller
- Round Rail

**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