Highly Dynamic Motion Systems

**AT A GLANCE**

- Highly dynamic
- Continuous force range of 80N to 160N
- Peak force up to 1,200N
- Modular heatsink
- Integrated position feedback
- Pneumatics retrofit friendly

**THE LINX® RANGE**

Zero net attractive forces improve efficiency with no down force, extending machine life.

**LINX® IS BETTER**

Our cylindrical linear motor design provides improved performance at a lower cost when compared to conventional flat linear and rotary motors.

**FIT YOUR APPLICATION**

The LinX® linear motor range are available in a variety of different sizes to allow for application specific solutions.

**PROTECTION IS KEY**

The motors are fully sealed rated to IP67, ensuring they are perfect for automation and machine tool, with IP69K coming soon for food processing systems.
### Properties

**FORCER**
- Compact sizes
- Modular heatsink
- 600VDC bus voltage

**SHAFT**
- 50mm magnetic pitch
- Neutral magnetic field
- Stainless steel tube
- Wide stroke range

**INTEGRATED POSITION FEEDBACK**
- Absolute accuracy to ±0.5mm
- Resolution: 10μm

**CAPABILITIES**
- High speed
- High acceleration
- Pneumatics retrofit friendly
- IP67

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### Table: Mover Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Mover Length (mm)</th>
<th>Shaft OD (mm)</th>
<th>Continuous Force (N)*</th>
<th>Peak Force (N)</th>
<th>Continuous Current (A rms)</th>
<th>Peak Current (A)</th>
<th>Resistance 25°C (Ω)</th>
<th>Inductance (mH)</th>
<th>Force Constant (N/A rms)</th>
<th>Weight (kg)</th>
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</thead>
<tbody>
<tr>
<td>TLMM-15P0</td>
<td>221</td>
<td>30</td>
<td>80</td>
<td>643</td>
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</tr>
</tbody>
</table>

*All specifications are for reference only. Specifications are subject to change without notice.

*Continuous force is specified under natural convection WITH HEATSINK. This can be improved under forced air cooling or fluid cooling conditions.