

Parker Linear Motor Solutions



Application Tools and Support

- Sizing and selection software
- CAD drawings – download from web
- CD with complete product information including FAQs
- Factory application engineers
- Regional field engineers
- Local automation technology centers
- Complete product testing and documentation

Linear Servo Motors

- Complete size range to 240 lb. force
- Fastest response and settling time
- Single-row slotless design
- Lower cost and weight (compared to ironless design)
- Better heat dissipation
- Custom cables, connectors, windings, etc. for special requirements

Linear Motor Tables

- Pre-engineered “plug and play” module
- Certified accuracy and repeatability
- Velocity to 3 m/sec.
- Acceleration to 5 Gs
- Encoder resolution to 0.1 microns
- Long life cable management system
- Proven protective strip seal
- Quick delivery

Linear Motor Solutions at Selectable Levels of Integration

Component Products

If you have the capability and experience to develop your own systems, our broad range of innovative, easy-to-use products will help you get the job done.

- Short leadtime
- Large selection
- Proven reliability

Subsystems

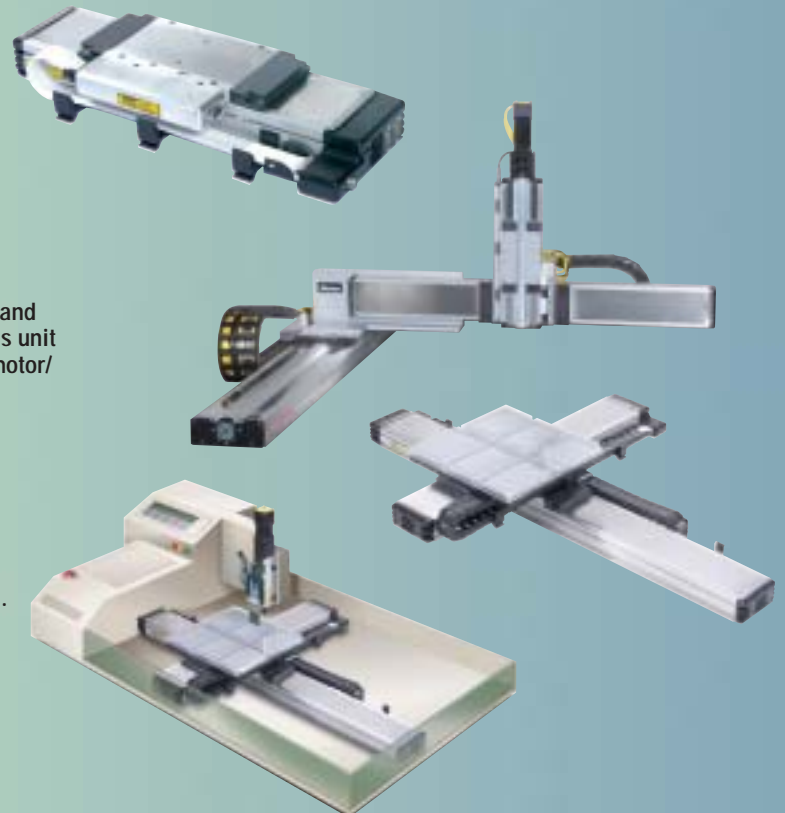
Our mechanical subsystems are often utilized by OEMs and Integrators who want a completely assembled multi-axis unit ready for direct hookup to an existing or a new Parker motor/drive/control system.

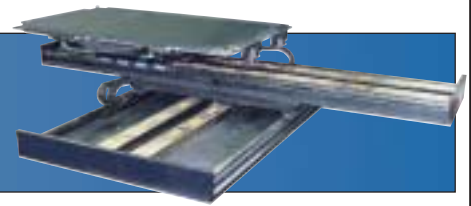
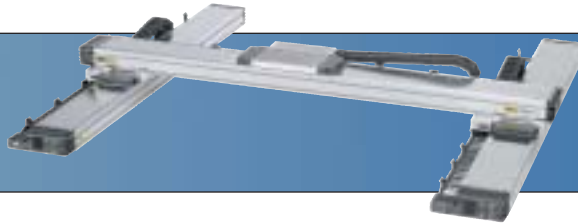
- Reduced engineering effort
- Straightforward integration
- Modular compatibility

Systems

Machine builders and OEMs often choose to integrate a complete electromechanical system into the machine. They have confidence in knowing that our knowledge, experience, and support will ensure that their automation goals are met.

- Minimal design engineering
- Ensured component compatibility
- Single source supply





Digital Servo Drives

- Optimized parameters for linear motors
- Pre-configured motor files for easy setup
- Sinusoidal commutation with encoder feedback
- Connectorized cabling for easy hookup
- Drive/controller models for direct motion programming and storage

Modular Linear Motor Systems

- Cost-effective multi-axis systems easily developed from standard 400LXR modules
- Multi-axis cable management
- Seamless integration with other Parker motion components including ballscrew tables and actuators
- Selectable levels of integration

Custom Engineered Systems

- Single or multi-axis solutions designed "from the ground up" to precisely meet customer requirements
- Systematic process to convert initial concepts into final solutions in the shortest time
- Total system reliability
- CAD generated approval drawings
- Special testing and certification of final performance and specifications

