

mk
**Modular
Profile Systems**



ABOUT mk



mk Automation, Inc. is a worldwide leading manufacturer of Modular Aluminum Profile Systems for machine building and industrial applications. As one of the pioneers in this industry mk has developed a product offering over the last 20 years which in terms of quality, variety, value and flexibility is second to none.

With four different Profile Series - identified by their respective square dimensions of 25, 40, 50, and 60 mm - mk offers an ideal system for any application. Simple frames for minimum available space can be manufactured as readily as large load bearing constructions for heavy duty machinery.

Our pre-engineered system enables you to reduce lead time and cost for engineering and fabrication. Modifications and changes are easily made through all stages of the evolution of your project.

mk Automation . . . the technology leader in Modular Aluminum Profile Systems

THE ADVANTAGES:

- Largest selection of aluminum extrusions and system components available
- High quality and easy to use connectors and system components
- Engineering support and applications assistance
- Modular approach and compatibility of all mk products offers enormous flexibility and design freedom
- Cost savings through reduced assembly and engineering time.

Industries served:

- Manufacturing
- Electronics
- Medical Equipment
- Pharmaceutical
- Rubber & Plastics
- Packaging
- Chemical and Allied Products
- Fabricated Metal Products
- Semiconductor
- Injection Molding
- OEMs
- System Integrators

Applications:

- Machine Frames & Bases
- Linear Gantry Systems
- Clean Rooms
- Perimeter Guarding
- Safety Enclosures
- Material Handling Equipment
- Industrial Workstations
- Conveyor Systems
- Walkovers & Platforms
- Positioning Units
- Linear Precision Glides
- Framing

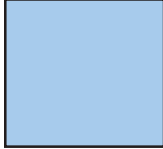
Our Customers:

- 3M Company
- Amgen
- BIC Corporation
- Denso Manufacturing
- Engel Canada
- Frito-Lay, Inc.
- Fujifilm Microdisk
- Hasbro, Inc.
- Hershey Chocolate USA
- IBM
- Interbake Foods
- Johnson & Johnson
- Philips
- Sachs Automotive
- The Gillette Company
- Wright Industries

mk PROFILE SYSTEM









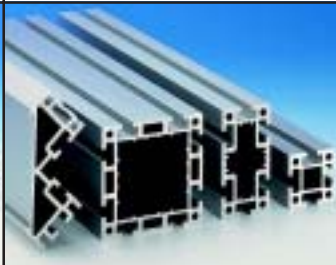
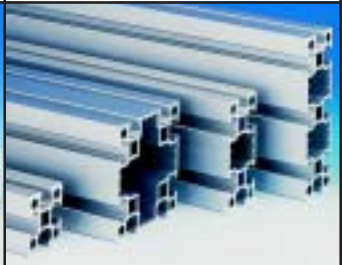
250 system profiles of high quality aluminum alloys in 4 compatible profile series, a rigid stability oriented connection technology with 8 mature assembly methods, an extensive program of more than 2700 system components and accessories. **With the mk Profile System, you can build just about anything you can imagine.**



The new mk Profile Series 60 is the only available system on the market to offer M12 connections.

The result is a load capacity which was recently only achievable using labor intensive steel framing.

- High strength alloys
- Clear anodized finish
- High quality, easy to use system components
- Largest product offering available
- Free Kitting Service
- Same Day Shipments
- Custom Machining
- Engineering Support
- Design Software

			
<p>Series 25 Ideal for light duty construction. Typical applications include light frames and safety enclosures, display cases, sign frames, planning boards, printer / computer stands, control panels. Also used for holding test and inspection equipment and tools.</p> <ul style="list-style-type: none"> ■ 25 mm base dimension ■ 6 mm T-slot ■ M5 + M6 hardware ■ 30 different extrusion shapes ■ Linear motion system available 	<p>Series 40 This rigid, general purpose Profile System is ideal for medium-duty construction. Typical applications include machine frames, work benches, rack systems, tool carts, clean rooms, machine enclosures, perimeter guarding, and linear motion modules.</p> <ul style="list-style-type: none"> ■ 40 mm base dimension ■ 10 mm T-slot ■ M8 hardware ■ 84 different extrusion shapes ■ Linear motion system available 	<p>Series 50 Ideal for medium- and heavy-duty applications where strong, rugged performance is required. Typical applications include machine frames and bases, heavy robot stands, safety enclosures, gantry systems, linear motion modules and conveyor systems.</p> <ul style="list-style-type: none"> ■ 50 mm base dimension ■ 10 mm T-slot ■ M8 hardware ■ 71 different extrusion shapes ■ Linear motion system available 	<p>Series 60 Series 60 takes aluminum framing systems to the next level, truly challenging steel for applications where high loads are encountered. Typical applications include heavy-duty machine frames and bases, robot stands and large gantries and linear motion systems.</p> <ul style="list-style-type: none"> ■ 60 mm base dimension ■ 14 mm T-slot ■ M12 hardware ■ 22 different extrusion shapes ■ Linear motion system available
			

mk PROFILE SYSTEM

Connecting Methods

One of the greatest advantages of the mk Profile System is the wide variety of connecting methods, and the ability to provide the right connection whether your concern is strength, cost, flexibility, aesthetics, or a combination thereof.



Screw Connection

Tension Plug Connection

Angle Connection

Console Connection



Clamp Connection

Plate Connection

Corner Block / T-Plug

Corner Block

System Components

No framing system is complete without an extensive selection of connectors, components and accessories that make a true engineered system a single source for all your needs. At mk you can choose from over 2700 in-stock items available to support all your designing needs.



Special Profiles

In addition to our standard profile series, mk offers a large selection of application specific extrusions which can be cut to length and serviced to your specifications.



mk FACTORY EQUIPMENT



Our Factory Equipment product line offers:

mk Guarding & Enclosures

A complete standard program with an extensive range of components enables you to build cost-effective guarding solutions.

- Standardization and modular approach results in shorter lead times and lower cost.
- Available as turn key solution, sub-assembled or as kit.
- Swing, sliding, vertical and bi-fold doors and windows
- Safety interlock switches
- OSHA compliant
- Large variety of paneling materials

mk Workstations

Modular construction using high quality components and materials ensure workstations which can be used for years to come.

- Ergonomic and aesthetic design
- Optional integrated electric and pneumatic outlets
- Flexible modules simplify planning and layout.
- Customizable to your specific needs
- Available assembled or as kit
- Electronic or manual height adjustment.
- Large selection of accessories and work surfaces.

mk Guard Rails, Treads and Platforms

The mk Profile System offers nearly unlimited possibilities for the construction of platforms, mezzanines and cross-overs.

- Customer specific solutions
- Easy assembly
- Can be designed for various service and load applications.



mk LINEAR MOTION



For application specific precision glides, roller guides and linear positioning units and carriages mk is the ideal contact.

mk offers profile guides and linear modules for material handling applications - featuring high precision and repeatability - with a variety of standard carriage plates and drive options.

mk Precision Glides

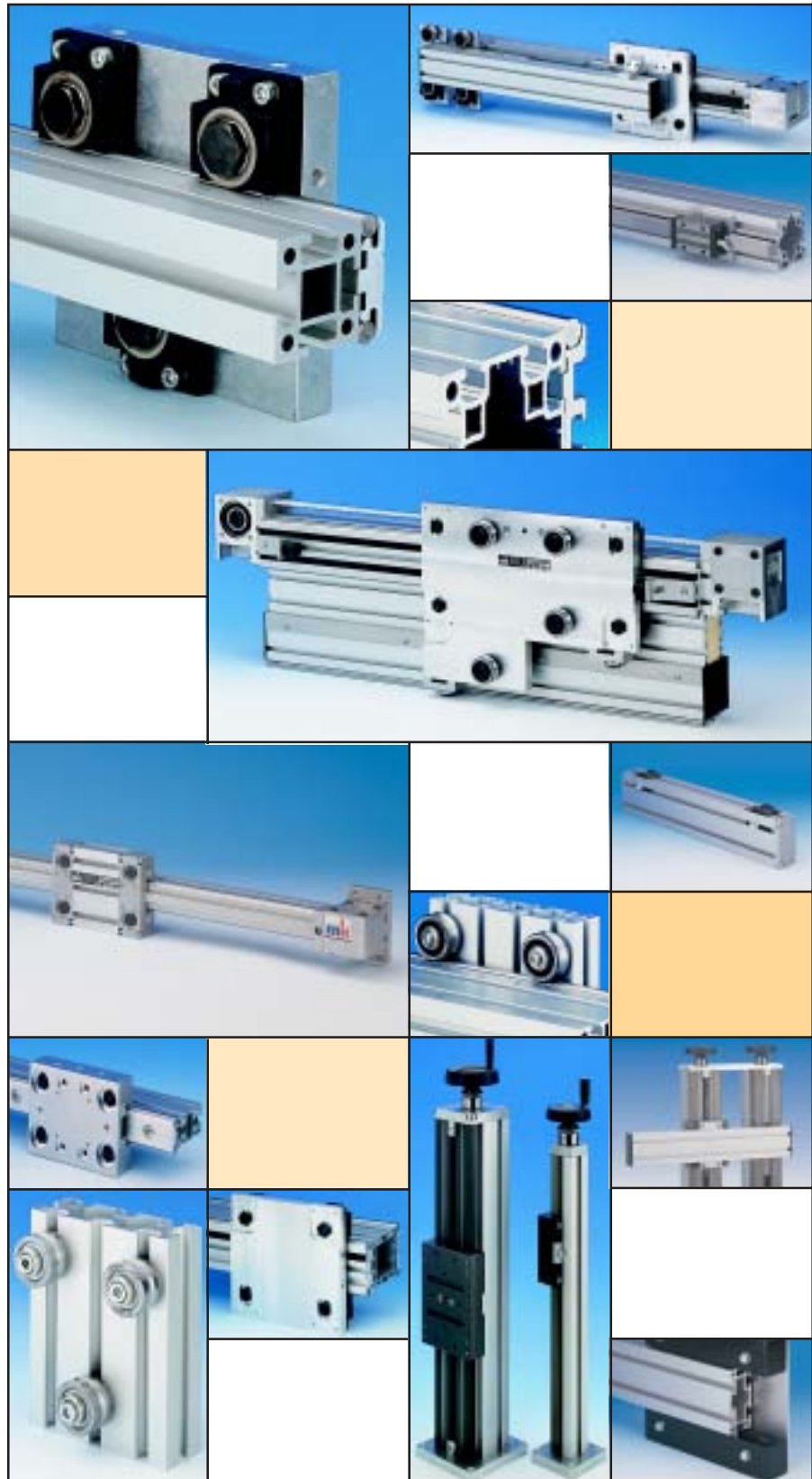
mk-tracks are available for all Profile Series. No separate support structure is required as the tracks are mounted directly to the structural profile.

- Available for all mk Profile Series
- Fully compatible with mk Factory Equipment and Profile Systems
- Customer specific configurations available on request
- High precision and repeatability
- Robust construction reduces downtime and operating expenses
- Available from the component level up to complete, assembled and driven versions.

mk Linear Positioning Units

Designed to solve adjustment and positioning tasks. Typical applications include measurement and test equipment, as well as labeling and packaging machinery.

- Single and multi axis units.
- Customer specific configurations available on request.
- Hard coated profiles ensure a low friction surface with excellent durability.

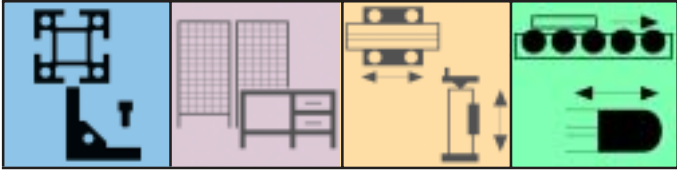


APPLICATIONS



SUPPORT

To find out more about our products and services please visit our web site or contact your local mk distributor.



mk Profile Systems

mk Factory Equipment

mk Linear Motion

mk Conveyor Systems



Web Site

Electronic Catalog & Design CD

Product Catalogs

mk Automation, Inc.
105 Highland Park Drive
Bloomfield, CT 06002

Tel.: (860) 769-5500
Fax: (860) 769-5505

e-mail: sales@mkprofiles.com
<http://www.mkprofiles.com>

Your local mk distributor is:

