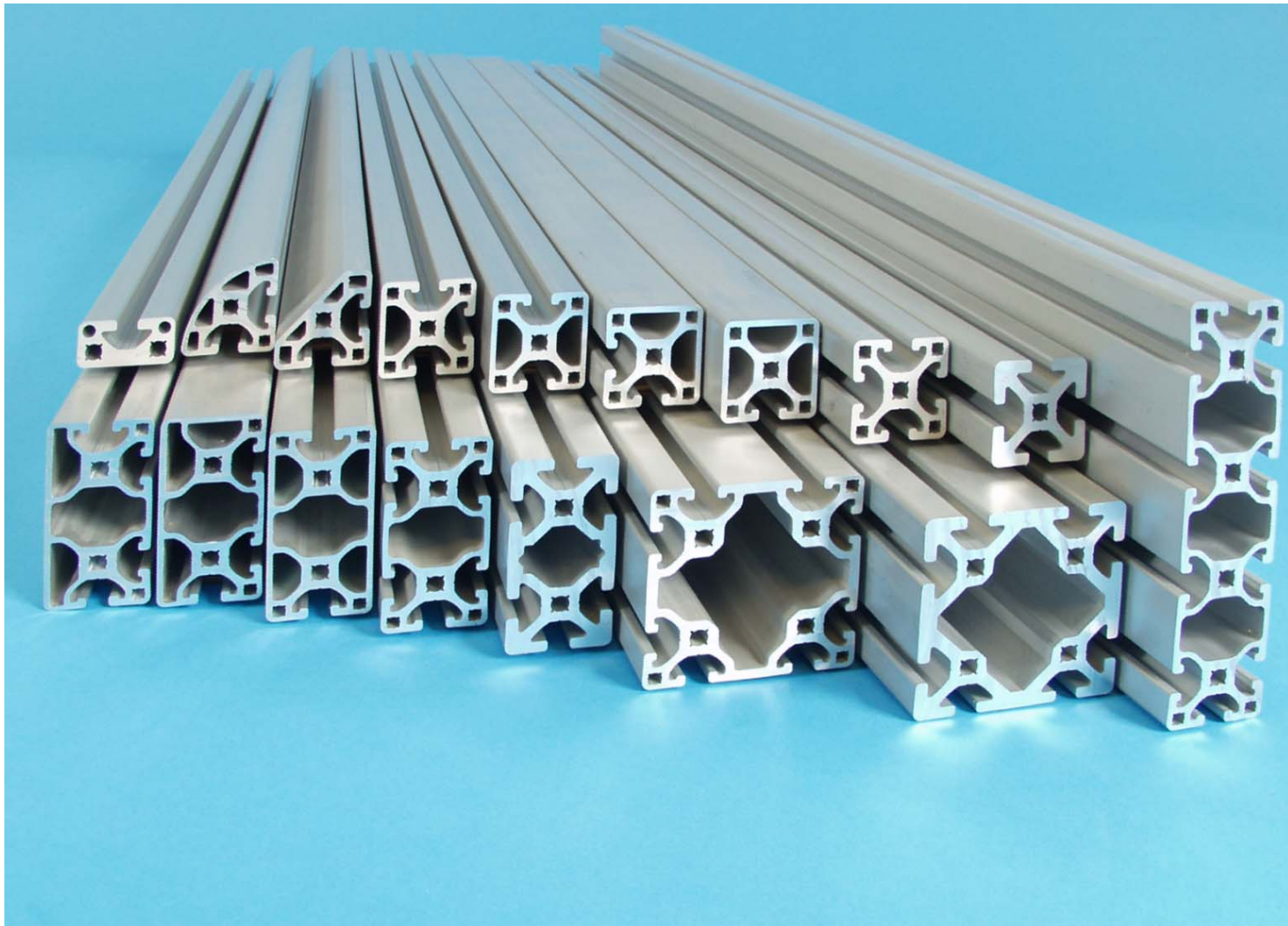


IPS

***i* Series**

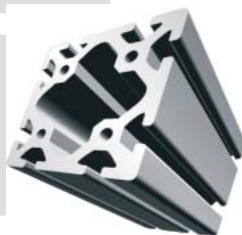
***Inch Profile Systems for Machine
Building & Industrial Applications***

Catalog 1825/US



IPS

Innovative Solutions for Your Structural Framing Needs



Since 1987 IPS, a member of Parker Hannifin Corporation, has served many industries throughout North America with its innovative high strength aluminum framing systems for machine building and industrial applications.

The versatility of this modular erector set system makes it ideally suitable for machine bases and frames, linear slide systems, safety guarding and enclosures, worktables, structural framing and material handling.

Modular aluminum structures offer high flexibility and functionality combined with visual appeal and cleanliness of the anodized surface. These important features present a multitude of benefits for machine building and automation projects in industries such as pharmaceutical, medical, semiconductor, electronics, automotive component manufacturing and many others.



A Commitment to Customer Service

Customer service and customer satisfaction is our objective. IPS service centers are located across North America support our customers with local inventory, engineering, fabrication, assembly and installation.

A team of knowledgeable professionals and experienced application engineers have the expertise necessary to provide and implement whatever IPS solution you require.

We work closely with customers on applications that may require custom parts and specials, engineering/design assistance, as well as assembly and installation services.

Our IPS service centers are stocked with a broad selection of T-slotted profiles and accessories. Thus we are able to react quickly to meet customer's needs in today's fast paced global economy.



As a solution provider, IPS offers products and services such as:

- Standard length profiles
- Custom cut profiles
- Modular structures
 - Bases and frames
 - Workstations
 - Safety guards and enclosures
 - Slides and linear devices
 - Material handling systems

Services

- Regional Service Centers across the US, Canada, and Mexico
- Engineering support
- Applications assistance
- Onsite installation and assembly
- CAD and design services
- Rapid product delivery



IPS

Modular Solutions to Fit Your Needs

WELDED V.S. MODULAR

Compared to welded steel frames, IPS modular aluminum framing systems offer unique benefits. The strength is comparable to steel, yet the flexibility and versatility is far superior. The pre-engineered IPS system enables you to reduce the lead-time for engineering and fabrication. Modifications and changes are easily made through all stages of the evolution of your projects.

Important Benefits When Using Aluminum Modular Framing Systems from IPS:

Extremely short turnaround from design to completion.

- No welding
- No cleaning
- No grinding
- No distortions
- No painting

Lower total cost through elimination of costly traditional manufacturing processes.

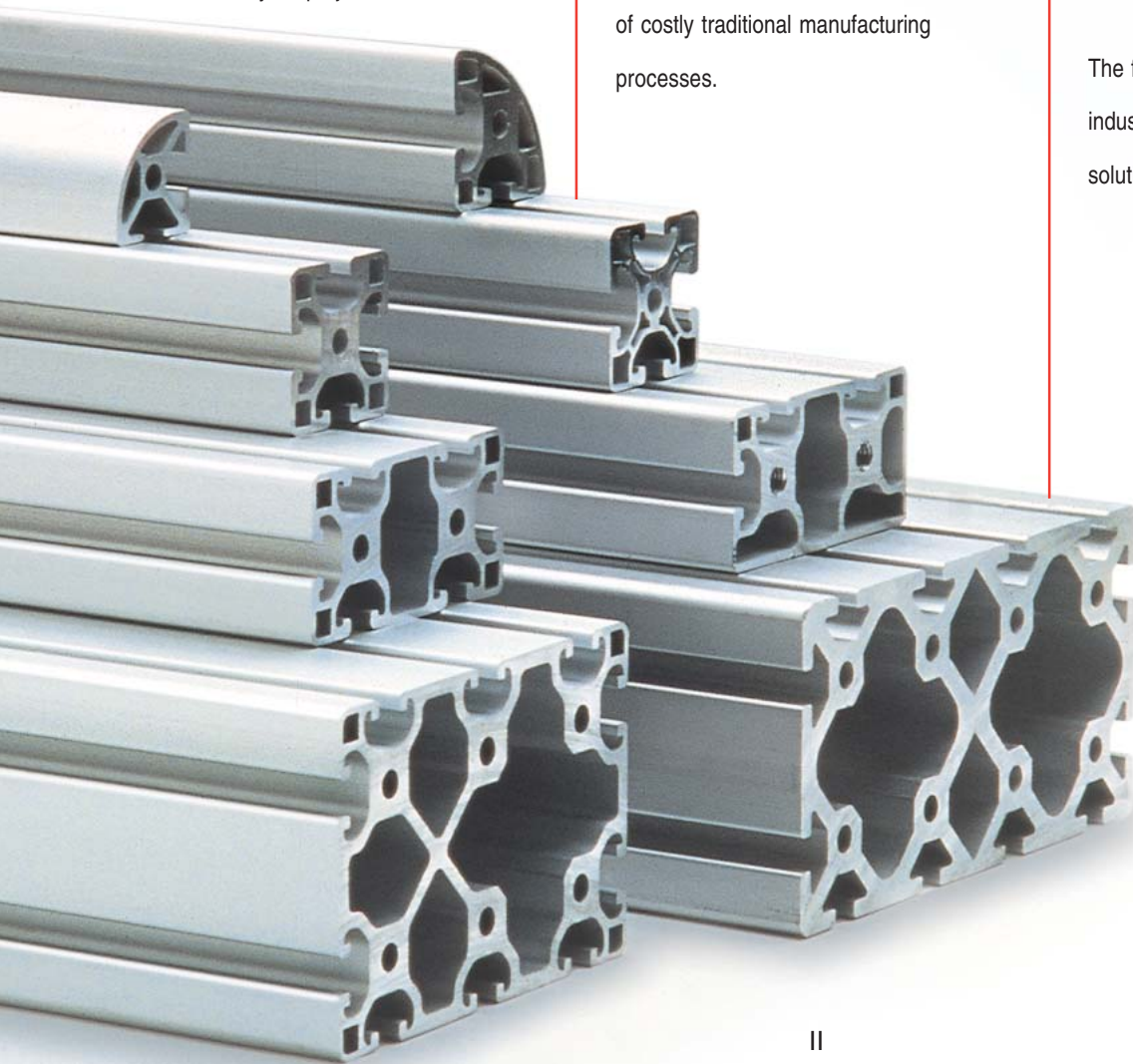
Serving Limitless Industries in an Unlimited Range of Applications

IPS modular framing profiles

are successfully applied in an astounding variety of environments; from automotive to aerospace, from electronics to packaging, from pharmaceutical/medical to textiles.

The following are just some of the industries where IPS modular framing solutions have proven their worth:

- Aerospace
- Automotive
- Educational
- Electronics
- Industrial Manufacturing
- Medical
- Packaging
- Pharmaceutical
- Plastics
- Semiconductor
- Textiles
- Tires



IPS

Complete Line of Profiles & Accessories

Profiles

The extensive product range comprises many different profile shapes. This provides the user with flexibility to apply the components most suitable for his application. The IPS product line includes cross sections from small miniature profiles up to sturdy heavy-duty structural beams that support static and dynamic loads in motion applications, and conduit profiles for pneumatic and electrical needs.



- Available in inch dimensions 1 inch to 6 inch with 1/4 inch and 5/16 inch T-slots.
- Fabricated from high strength structural aluminum (6005 T5 and 6061 T6).
- Offered with clear or optional black anodized finish.

Fasteners

IPS applies the unique T-slot concavity design for vibration safe permanent pretension of the fastener connection. A variety of standard and universal connectors offer unique design features and flexibility. The vibration safe fastening system from IPS is functional because our profiles are made of high strength alloys. It is this particular feature that has made IPS a leader in our industry and eliminates, in most cases, the need for additional gusset plates.



- English hardware sizes - 1/4"-20, 5/16"-18, #10-32.

Linear Motion

With its linear motion solutions, IPS has gone beyond the basic framing and guarding requirements. We offer roller bearing modules and DELRIN slide blocks for motion and positioning applications.

Accessories

No aluminum framing system is complete without its complementary range of accessories. That's where IPS differs. IPS offers an extensive range of complementary accessories such as fasteners, hinges, locks, handles, latches, feet, and casters that make a true pre-engineered system, a single source solution for all your needs.

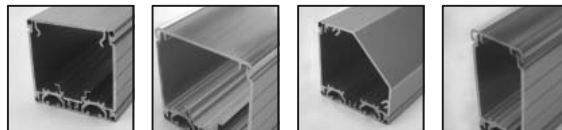


IPS i Series can furnish you with accessories such as:

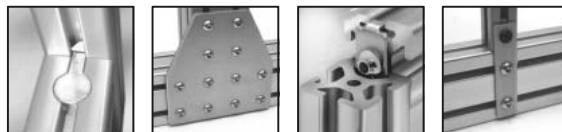
- Hinges (plastic and metal)
- Safety Limit Switches
- Leveling Feet and Casters
- Plates, Joints and Connectors
- Handles, Locks, Latches, Cable and Hose Holders
- Panels - Trespa, Wire Mesh, Sintra, Polycarbonate (Lexan)
- Sliding Door Components
- Parts Bins
- Assembly Tools



Conduit Elements



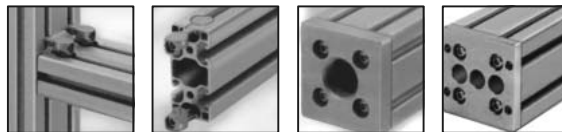
Fasteners & Connectors



Machine Guarding Components



Pneumatic Components



Feet, Base Plates & Casters

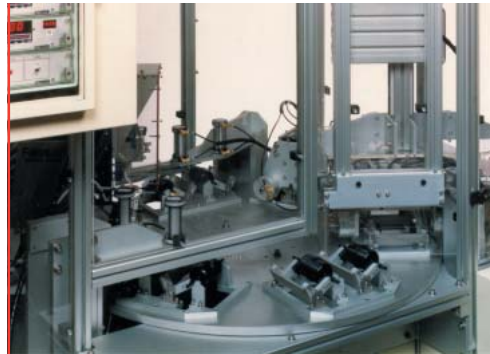


For Custom/Special Application Needs . . . Automation, Assembly, Enclosures, and Linear Motion

For non-standard or unique applications; that's where a solution provider like IPS becomes invaluable. At IPS we have the ability to work with you in designing, fabricating and assembling a framing solution that integrates with the latest machine technologies. Whether you're looking to incorporate a material handling system, linear device, conveyor or a clean room environment, IPS has the resources to provide you a unique customized solution to match your application requirements.



*Surface Mount
Circuit Board
Processing Machine*



Dial table with fixturing



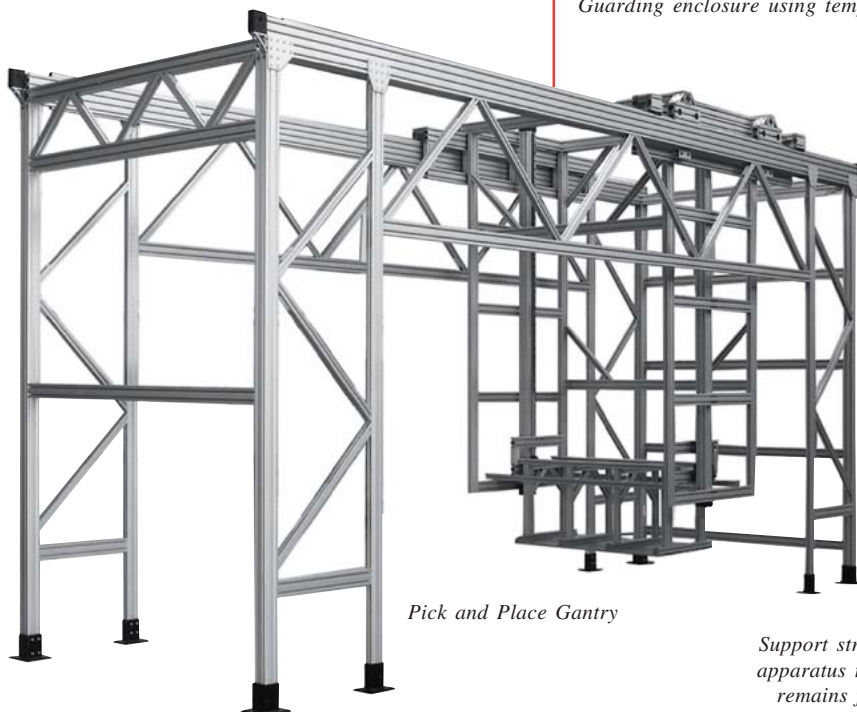
High speed automated packaging machine



Guarding enclosure using tempered glass



Roller system 14 on an inspection line

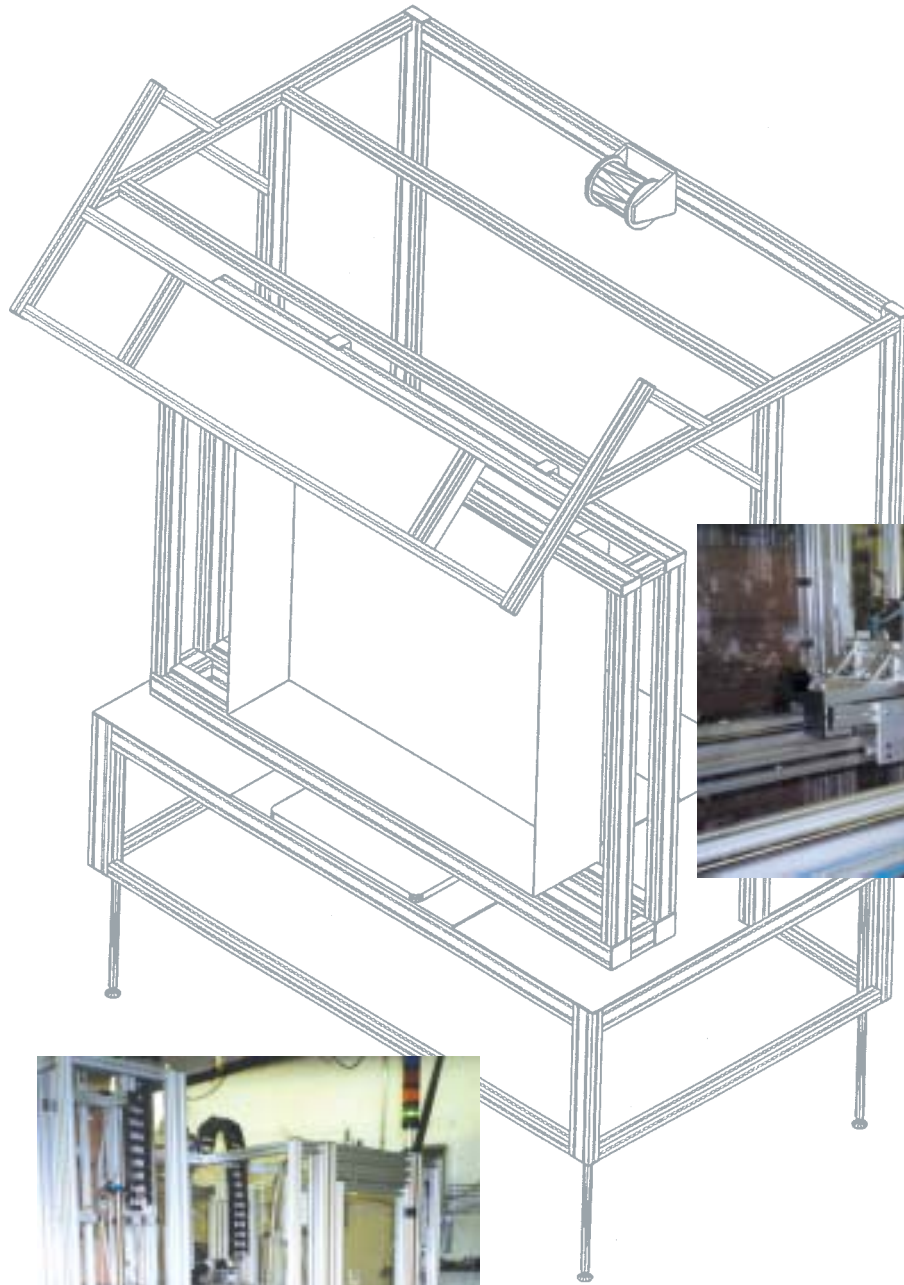


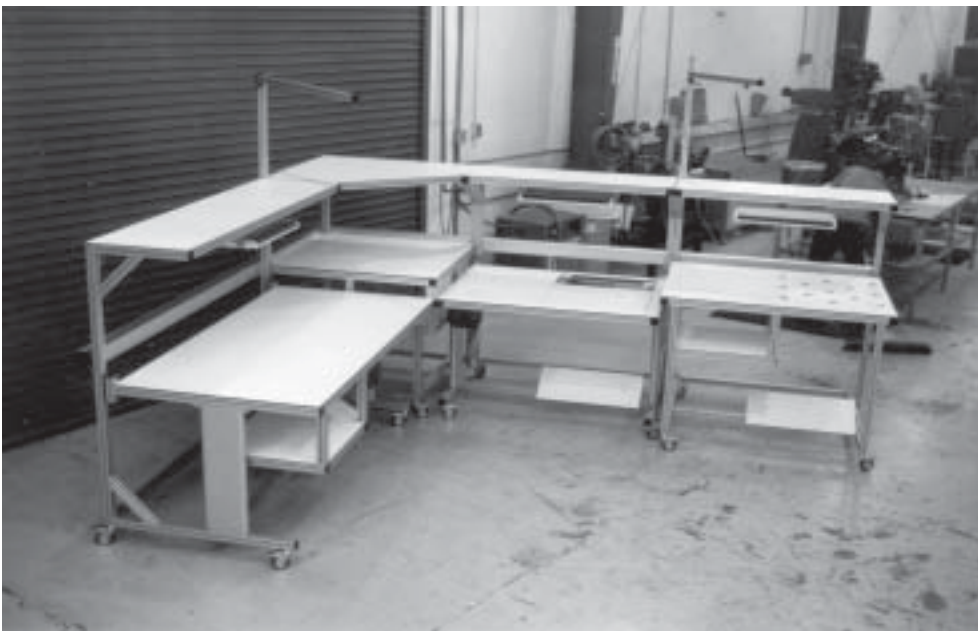
Pick and Place Gantry

*Support structure for drilling
apparatus to clean spent fuel
remains from space shuttle
solid fuel rocket boosters*

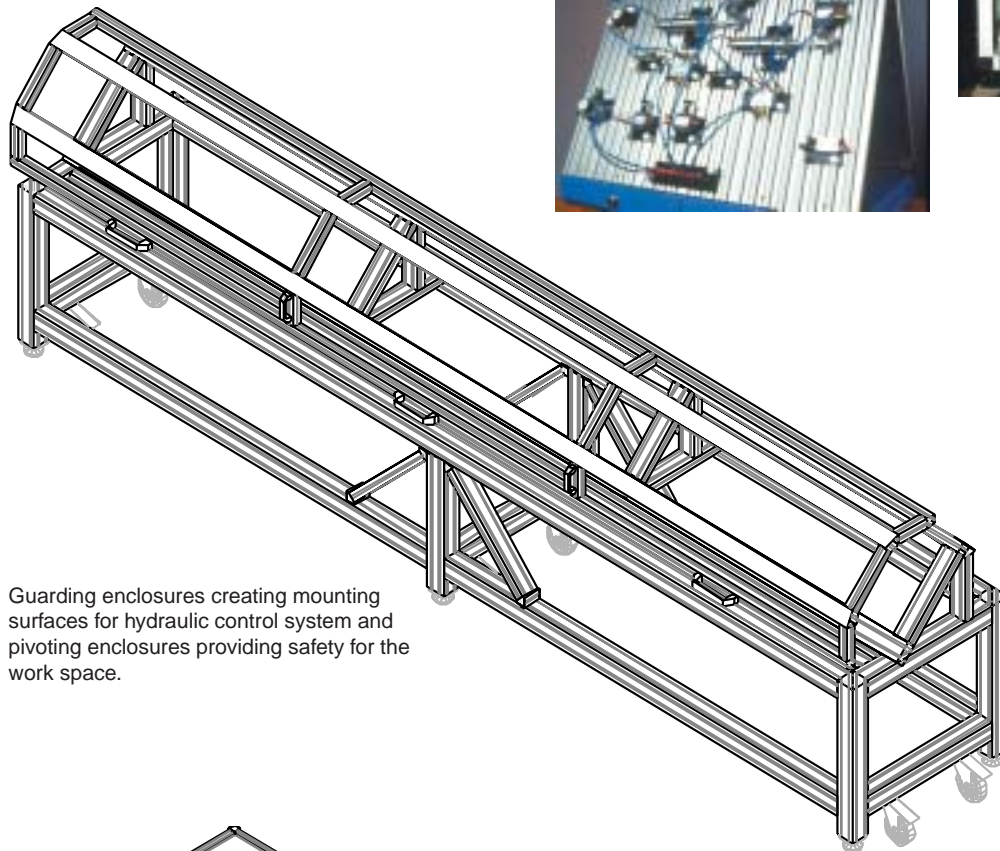


Examples of Industrial and Machine Building Applications

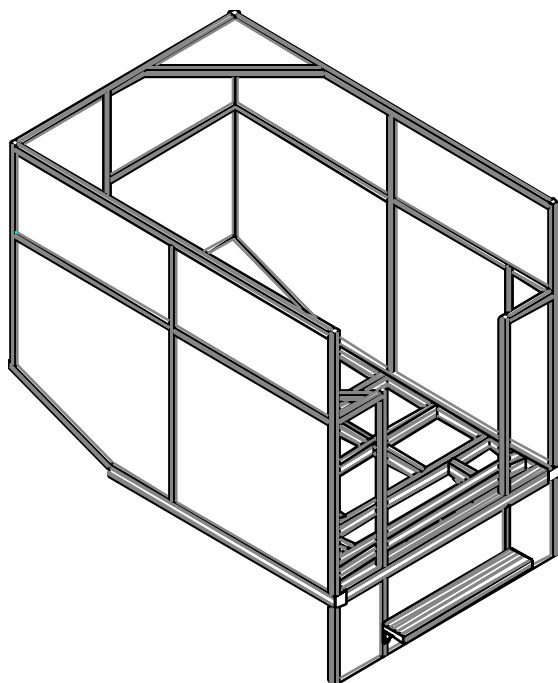




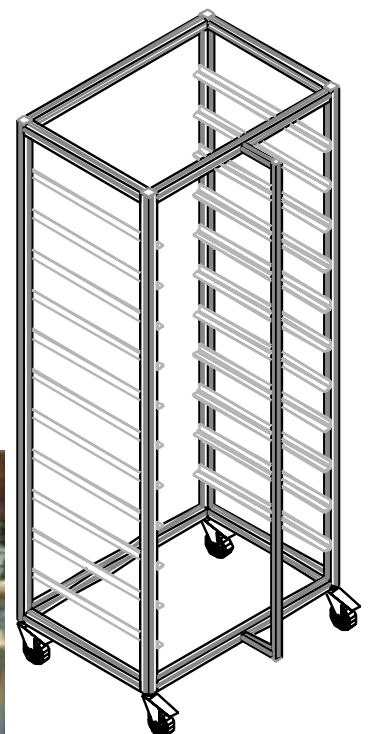
Examples of Industrial and Machine Building Applications

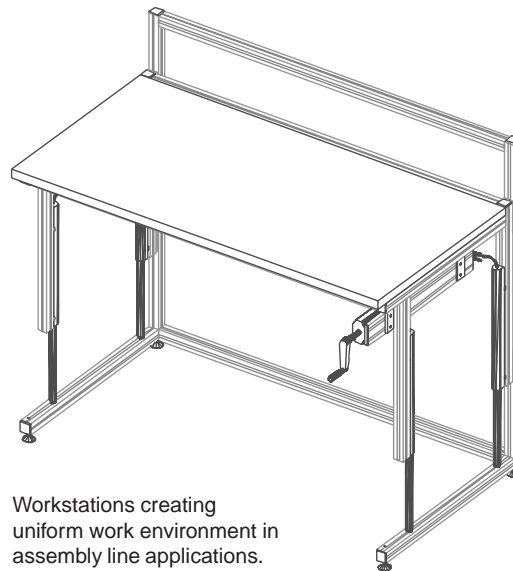


Guarding enclosures creating mounting surfaces for hydraulic control system and pivoting enclosures providing safety for the work space.

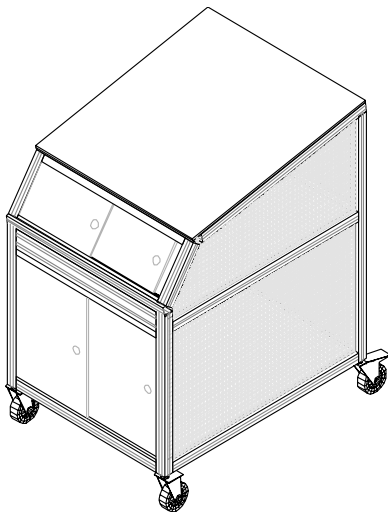
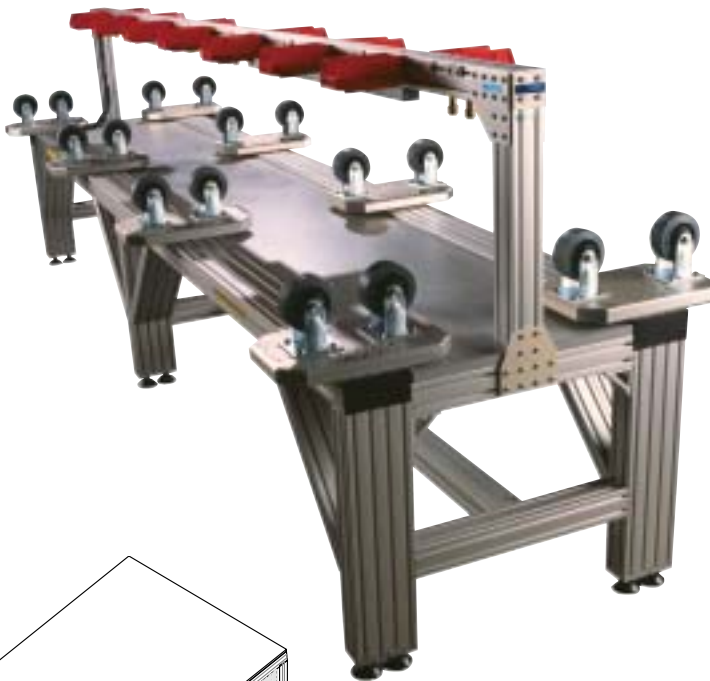


Lighter aluminum frame of a crane simulator booth, that offers lower total cost by utilizing smaller hydraulic and pneumatic control systems components.





Workstations creating uniform work environment in assembly line applications.



Flexible storage systems that allowing accurate initial construction, and ability to adapt to new specifications.





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Parker Hannifin Corporation

About Parker Hannifin Corporation

Parker Hannifin is a leading global motion-control company dedicated to delivering premier customer service. A Fortune 500 corporation listed on the New York Stock Exchange (PH), our components and systems comprise over 1,400 product lines that control motion in some 1,000 industrial and aerospace markets. Parker is the only manufacturer to offer its customers a choice of hydraulic, pneumatic, and electromechanical motion-control solutions. Our Company has the largest distribution network in its field, with over 7,500 distributors serving nearly 400,000 customers worldwide.

Parker's Charter

To be a leading worldwide manufacturer of components and systems for the builders and users of durable goods. More specifically, we will design, market and manufacture products controlling motion, flow and pressure. We will achieve profitable growth through premier customer service.

Product Information

North American customers seeking product information, the location of a nearby distributor, or repair services will receive prompt attention by calling the Parker Product Information Center at our toll-free number: 1-800-C-PARKER (1-800-272-7537). In Europe, call 00800-C-PARKER-H (00800-2727-5374).

The Aerospace Group is a leader in the development, design, manufacture and servicing of control systems and components for aerospace and related high-technology markets, while achieving growth through premier customer service.



The Fluid Connectors Group designs, manufactures and markets rigid and flexible connectors, and associated products used in pneumatic and fluid systems.



The Hydraulics Group designs, produces and markets a full spectrum of hydraulic components and systems to builders and users of industrial and mobile machinery and equipment.



The Automation Group is a leading supplier of pneumatic and electromechanical components and systems to automation customers worldwide.



The Climate & Industrial Controls Group designs, manufactures and markets system-control and fluid-handling components and systems to refrigeration, air-conditioning and industrial customers worldwide.



The Seal Group designs, manufactures and distributes industrial and commercial sealing devices and related products by providing superior quality and total customer satisfaction.



The Filtration Group designs, manufactures and markets quality filtration and clarification products, providing customers with the best value, quality, technical support, and global availability.



The Instrumentation Group is a global leader in the design, manufacture and distribution of high-quality critical flow components for worldwide process instrumentation, ultra-high-purity, medical and analytical applications.



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