T-Slot Aluminum Framing
Parker Industrial Profile Systems
**T-Slot Aluminum Framing Solutions**

*Everything You Need to Build Anything*

Parker’s extensive line of structural T-slot aluminum extrusions, fasteners, panels, doors, hardware and accessories can be configured to meet any design challenge with a durable, high performance solution.

![Cabinets and Storage](image1)

![Material Handling Systems](image2)

![Test Station with Granite Top](image3)

![Factory Lean Solutions](image4)

![Machine Bases and Frames](image5)

![Front Office Reception Desk](image6)

![Portable Gantry System](image7)

![Workstations and Tables](image8)

**NEW!**

**Factory Lean Solutions**

Parker has introduced a series of standard lean factory solutions such as team tracking and communication boards and day by the hour boards using our modular T-slot aluminum framing system. These systems can be ordered as a kit or an assembly.

[www.parker.com/FactoryLeanSolutions](http://www.parker.com/FactoryLeanSolutions)
Service and Support: When, Where & How You Need It

Customer satisfaction is key to your success, and ours. Our nationwide network of IPS service centers and distributors provide the right level of product and engineering expertise and response to support your needs.

IPS Service Centers
- Plant locations in Wadsworth, OH and Rohnert Park, CA
- Parts, accessories and extrusions in stock
- Engineering capabilities for kits and assemblies
- Machining services: cutting, tapping, drilling and counter boring
- Assembly services
- Factory direct customer service support

Authorized Design Centers
- Locations across the country
- Local inventory of most parts, accessories and extrusions
- Engineering capabilities for kits and assemblies
- Machining Services: cutting, tapping, drilling and counter boring
- Assembly services
- Factory trained staff

Authorized Distributors
- Locations across the country
- Local support
- Other value added services
- Factory trained staff

Online Tools
www.parker.com/ips

Parker IPS offers the tools needed to design and develop your assembly solution. Use our website for access to the industry’s most comprehensive resource for:
- Complete selection and specification information on all IPS products available on-line in pdf format
- Native SolidWorks® and Inventor® 3D CAD files libraries available for download or on USB for all IPS products
- Training materials
- Support and downloads
- Rapid quote requests
- Distributor/Design Center Locator

Avoid paying too much for an over-engineered solution, contact our applications team today at 800.333.4932 for quick response and help with designing the best solution.

SolidWorks® is a registered trademark of Dassault Systemes Solidworks Corp. Inventor® is a registered trademark of Autodesk Inc.
Think it. Design it. Build it.

From Concept to Completion.

Turn your brainstorm into an application quote in as little as 24 hours – Parker’s IPS network can help!

Are other structural aluminum providers unable to provide the right solution? Are you considering using aluminum over traditional welded steel? We can convert pen or pencil sketches into final drawings and quotes, often saving you time and money.

Parker can also supply engineered kits or sub-assemblies to make your next project flow smoothly. Most quotes can be turned around quickly.

Call **800-333-4932** to discuss your requirements with an applications engineer.

### Markets Served
- Aerospace
- Automotive
- Educational
- Industrial manufacturing
- Medical
- Packaging
- Pharmaceutical
- Plastics
- Semiconductor
- Textiles
- Tires

### Typical Applications
- Motion systems integration
- Enclosures and guarding
- Machine bases and frames
- Workstations and tables
- Material handling systems
- Lean manufacturing tools
- Clean room applications
- Conveyor frames
- Test equipment
- Tool racks
- Test tables
- Trade show booths
- Store fixtures
- Sound enclosures
Need a Quote in a Hurry?

Parker IPS has the engineering experience to make ground-up system development quick and easy. Let us assist you in designing your next system from concept to completion.

The IPS team of engineers is available to help design systems to ensure perfect field integration. IPS solutions are custom fabricated and shipped installation ready as a kit or complete assembly.

Machine Services
- Cutting
- Tapping
- Drilling
- Counter boring

Custom services also available by our expert machinists to meet your exact requirements.

Value Added Services
- Metric and Imperial design catalog
- Parker Structural System Designer (PSD) software
- Motion system integration
- Deflection program
- Engineering quotes and drawings
- Quick quote software
- Assembly manuals
- Assemblies, kits and bundles

Need a Quote in a Hurry? - 800.333.4932 • www.parker.com/ips
Parker IPS materials can create an unlimited variety of machine bases and frames, linear-slide systems, safety guarding, enclosures, worktables, material handling systems, and other industrial structures. Innovative customers use our IPS technology as the foundation for systems that feature industry-leading Parker motion control solutions.

Think Aluminum

Aluminum framing offers numerous benefits over typical welded steel fabrication.

- Extremely short turnaround time from design to completion
- No welding, grinding, cleaning, painting, or distortions
- Eliminates costly traditional manufacturing processes
- Flexibility to re-configure as requirements change
- Lighter

Profiles

Parker offers a comprehensive offering of metric and inch based profiles:

- 100+ individual high-strength aluminum profiles
- All structural profiles are aircraft grade, high strength, mill-certified with metallurgical properties of 6105-T5
- Aesthetically appealing extrusions offer best-in-class rigidity, durability, and hardness
- Unique T-slot design for reliable connection and easy modification
- Metric sizes range from 20 mm to 160 mm; inch sizes range from 1” to 6”
- Extensive range of smooth, grooveless profiles

Lean Solutions

- Improve your Quality and Lean journey
- Tracking and Communication, Day by the Hour boards and more!
- Pre-configured, standard part numbers

Fastenlers & Accessories

- T-slots, end caps, fasteners, and covers
- Gussets, plates and brackets
- Handles and hinges
- Panels, sliding doors and gate hardware
- Feet and casters
- Work station accessories
- Slide blocks and bushings
- Rollers and slide bearings
- Belt and pulley assemblies

Panels and Wire Mesh

Panels and wire mesh are available in full sheets or to specified cut-to-size dimensions. Standard panel choices include:

- Lexan®
- Trespa®
- Expanded PVC
- PVC coated wire mesh
- Aluminum composite

Specialty panels of any material can be ordered for any project.

Machining Services

Standard machining options include cutting, tapping, drilling, and counter boring. Additional custom machining by our expert machinists ensure that your design is complete and to your exact requirements.

Choose What Suits Your Needs

Choose a level of service to suit your needs from a completely assembled structure to a bundle of uncut profiles:

Assemblies

Parker IPS offers complete assembled solutions that are designed, custom fabricated, and shipped in as little as seven business days. (Lead times may vary and are application dependent.)

Kits

Profiles are cut and machined to order, fasteners and accessories are included based on a parts list, and the entire order is packaged and shipped for final assembly at your location.

Bundles

Our entire product line can be ordered as bundles of uncut or cut-to-length profiles, with packages of fasteners and accessories.
Building Components

Profiles

40, 30, 28, 20 Series
Metric

40, 30, 28, 20, 1.5" Series
English

1.5", 1" Series

1/4 Round Profiles
30, 40, 1.5" Series

Angled Profiles
28, 40 Series

Closed Face Profiles
40, 30, 28, 20, 1.5" Series

Radius Profiles
40 Series

32x18 Frame Profile

Door Guide Profiles

Panel Profiles

Clamp Profiles

Rack Angle Profiles

UHMW Profiles

Gaskets,
Profile Covers

End Caps

Conduit Profiles

Fasteners

Fasteners

Miter Connectors

T-Nuts

T-Slot Bars

Anodize Breaker

Bolts, Nuts

& Washers

Screws

Clip & High Cycle
Nuts

T-Clips &
Cable Holders
Modular Framing Components

Brackets, Gussets & Plates
- Corner Brackets
- Corner Connectors
- Profile Connectors
- Mounting Plate
- Clamp Block
- Joining Plates
- Angle Brackets
- Gussets
- Corner Elements

Panels & Doors
- Panels & Wire Mesh
- Panel Mounting Blocks
- Mesh Retainers
- Bifold Door Glide
- Sliding Doors
- Door Guide System
- Rollers
- Rail Carts
- Roller Carts

Handles, Hinges & Safety Switches
- Handles
- Tube Handle Supports
- Hinges
- Pivot Joints
- Quarter Turn Latches
- Deadbolt
- Slam Latch
- Door Catches
- Ball Plungers
- Door Stops
Feet & Casters

Leveling Feet  Knuckle Feet  Foot Accessories  Corner Mounting Plate  L-Base Leveler/Anchor

Floor Brackets  Flange Feet  Casters  Floor Lock  Base Plates

Pre-Designed Solutions

Pneumatic Plates  Pneumatic Fasteners  Pneumatic Seals  Tracking and Communication Stands  Day by Hour Stands

Lift Systems  Workstations  Tool Runners

Linear Applications

Slide Blocks  Block Accessories  Roller Track  System Components

Services, Assembly Tips & Tools

Tools  Machining Services
Complete Design Solutions
For the factory floor…

Put our Product, Market & Application Experience To Work for You

IPS Solutions at Work:
Cardboard Storage

Before…

A valve manufacturing plant was looking to update their cardboard storage area. Throughout the day the shippers had to do a lot of bending and other tasks that were not ergonomically friendly.

After…

The valve manufacturer was able to use IPS to make the cardboard storage area more visually aesthetic, modular and ergonomically friendly. This contributed to approximately 125,000 sq. ft. of reclaimed manufacturing floor space!
Maintenance Workstations

Before...

This Maintenance Department was in need of a way to organize tools and make them accessible. They also needed a dedicated work area that was clear of clutter, in which to work.

After...

By using Parker’s T-Slot Aluminum Framing to revamp the maintenance area, the Maintenance Department was able to have a modular and more organized work space. This improvement added to the overall plant productivity by roughly 14%.

Steel Enclosure Replacement

Before...

A customer in the paper industry was looking to retrofit the steel enclosures around their machines. Steel has its benefits, but from a weight, modularity and flexibility standpoint, the customer felt it was time to upgrade and came to Parker IPS for assistance.

After...

With the Parker IPS redesign, the customer was able to completely retrofit the heavy steel framing with lightweight, but equally strong and durable aluminum. Pneumatic cylinders replaced the hydraulic cylinders to lift the enclosures, resulting in an added cost reduction. The line of sight for the machines was also greatly improved adding to the success of the plant upgrade.
Other Products from Parker...

**Electromechanical Solutions**

**HMI and Controllers**

Superior integration and support for machine control as well as HMI hardware and software.  
[www.parkermotion.com/globalpac](http://www.parkermotion.com/globalpac)  
Or go to:  
[www.parkermotion.com/hmi](http://www.parkermotion.com/hmi)

**Electric Actuators**

Screw, belt-driven, and linear motor actuators for the complete range of industrial applications, offering precise motion and flexibility.  
[www.parkermotion.com/eth](http://www.parkermotion.com/eth)

**Motors and Drives**

Parker’s family of innovative servo/stepper motors and drives continues to expand to meet the challenges of new technologies.  
[www.parkermotion.com/ima](http://www.parkermotion.com/ima)  
Or go to:  
[www.parkermotion.com/motor](http://www.parkermotion.com/motor)

**Gearheads**

Parker offers a full line of in-line and right angle planetary gearheads, multi-drive NEMA gearheads, and integral gearmotors.  
[www.parker.com/gearheads](http://www.parker.com/gearheads)

**Pneumatic Solutions**

**Linear Actuator**

Aluminum and steel pneumatic cylinders, guided cylinders, rodless cylinders, and short stroke thrusters from the industry leader.  
[www.parker.com/pneu/linear](http://www.parker.com/pneu/linear)

**Rotary Actuators**

Industry leader in the design and manufacture of pneumatic rack and pinion, and vane-style rotary actuators.  
[www.parker.com/pneu/rotary](http://www.parker.com/pneu/rotary)

**Vacuum Products and Sensors**

Vacuum solutions include a broad range of generators (integrated/inline), cups, and pressure sensors.  
[www.parker.com/pneu/vacsen](http://www.parker.com/pneu/vacsen)

**Grippers**

Parallel, angular, and three jaw grippers are available in over 1,000 configurations.  
[www.parker.com/pneu/grippers](http://www.parker.com/pneu/grippers)

**Airline Accessories**

Airline accessories include silencers, flow controls, and mufflers to round out Parker’s pneumatic solution.  
[www.parker.com/pneu/accessories](http://www.parker.com/pneu/accessories)

**Air Control Valves**

Valve technology that meets the most demanding requirements in any industrial application.  
[www.parker.com/pneu/valve](http://www.parker.com/pneu/valve)

**Air Preparation**

Parker, the industry leader in air preparation, offers a complete line of products to ensure clean, dry, oil-free air.  
[www.parker.com/pneu/airprep](http://www.parker.com/pneu/airprep)

**Connectors and Tubing**

The most complete line of fluid connectors worldwide will meet virtually any automation application.  
[www.parker.com/parflex](http://www.parker.com/parflex)