TRIAD TECHNOLOGIES

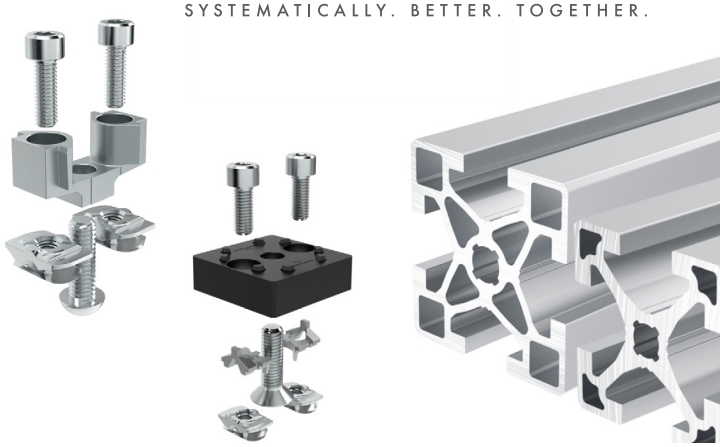
ROBOTUNITS

Simple, Fast, Flexible Automation Systems

ROBOTUNITS®
SYSTEMATICALLY. BETTER. TOGETHER.

Play Free & Vibration Safe

Most extrusion systems feature fasteners and other hardware that loosen over time when subjected to vibration. To avoid these harmful effects, machine designers feel more comfortable using expensive steel when assembling a robotic frame. Robotunits created patented fasteners, standard screws, and centering insertion pieces that keep the screw from loosening when tightened. This interaction between the extrusions and fasteners achieves high tensile strength – up to 4 tons per fastener – and avoids loosening of hardware and misalignment due to potential vibration.



No More Drilling or Milling

Robotunits' unique compressive fit fastners eliminate the need for drilling holes. This means every cut piece of extrusion is defined strictly by length and profile, not its orientation with respect to holes and hardware. This simplification saves time in design, purchasing, and construction as its no longer necessary to detail drawings or measure the placement of boreholes on the floor. It also eliminates the possibility of drilled holes in the wrong location.

Scan to Learn More

Field Flexible

Simple post-assembly integration of extrusions is possible without dismantling the frame. Without fixed holes, it is a simple task to reposition or repurpose frame components. It is even possible to replace panels without removing or loosening any structural aluminum components.

Self Aligning Makes for Fast Assembly

The 14mm wide t-slot allows for quick insertion of the drop-in nut. The leaf spring assembly protects the drop-in nut against unintended movement, from both sliding under its own weight and twisting. The profile is then mounted to the nut, locking in a 90 degree angle with the freedom to index before tightening down.

Convenient Conveyance

All Robotunits conveyors are built with the same 14mm channel, allowing for easy integration with structural framing. Robotunits conveyor belt technology offers a wide range of configurable options with quick deliveries.

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Endless Possibilities

ROBOTUNITS®

No matter what you're looking for, we have a solution for every requirement

- Extrusion Technology
- Linear Motion System
- Safety Fence System
- Conveyor Technology
- Material Handing System



Extrusion Technology

40mm Series

The 40mm extrusion series is ideal for assembly cells, lightweight frames in industrial applications and a wide range of other designs. With the help of the Robotunits fastner and the unique 14mm standard t-slot, all extrusions are fully compatible across both series.

Lightweight extrusion "lean line" available in the 40mm extrusion series!

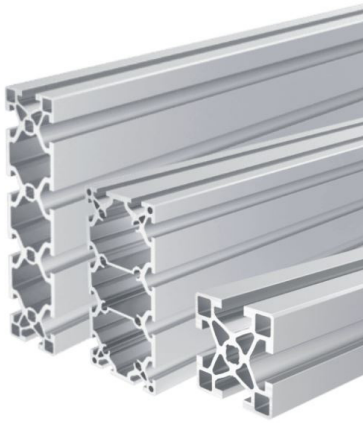
Available in Standard Sizes
16x40
40x40
40x80
80x80
40x120
Available Lean Line Sizes
40x40
40x80



50mm Series

The 50mm aluminum extrusion series features high load capacity and strong fastening possibilities. The main areas of application are mechanical engineering, protective equipment, assembly cells, and manual workstations. With the 14mm standard t-slot, the 50mm extrusion series is compatible with all other extrusions from Robotunits modular automation system.

Available in Standard Sizes
50x50
50x100
50x200
100x100
100x200
25x200



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