

# ***AUTOMATION SOLUTIONS***

*by* **80/20®**

*Find out how 80/20 T-slot profiles and products increase efficiencies and decrease your project costs.*



## Designed for Automation Solutions

80/20 Inc. provides T-slot aluminum profiles and the accompanying fasteners, accessories and parts to configure customized automation solutions. It is an alternative option to typical welded-steel applications without the associated high fabrication and skilled labor costs inherent in steel projects; you'll find that T-slot profiles are easy to assemble, requiring only common hand tools.

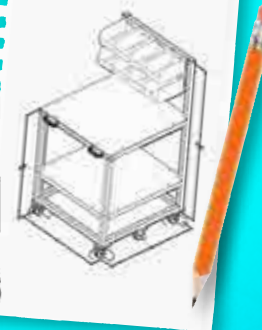
# T-SLOT PROFILES



## Aluminum is the Answer

T-slot aluminum lends itself to any work environment. Aluminum is strong yet lightweight, comparable in strength to steel and can handle anything from heavy to light-duty requirements. Another benefit; aluminum does not oxidize, meaning T-slot profiles are corrosion resistant and prohibit rust. It's durable, vibration-resistant and able to withstand repetitive use.

**100%**  
**Customized**  
**to Your Needs**



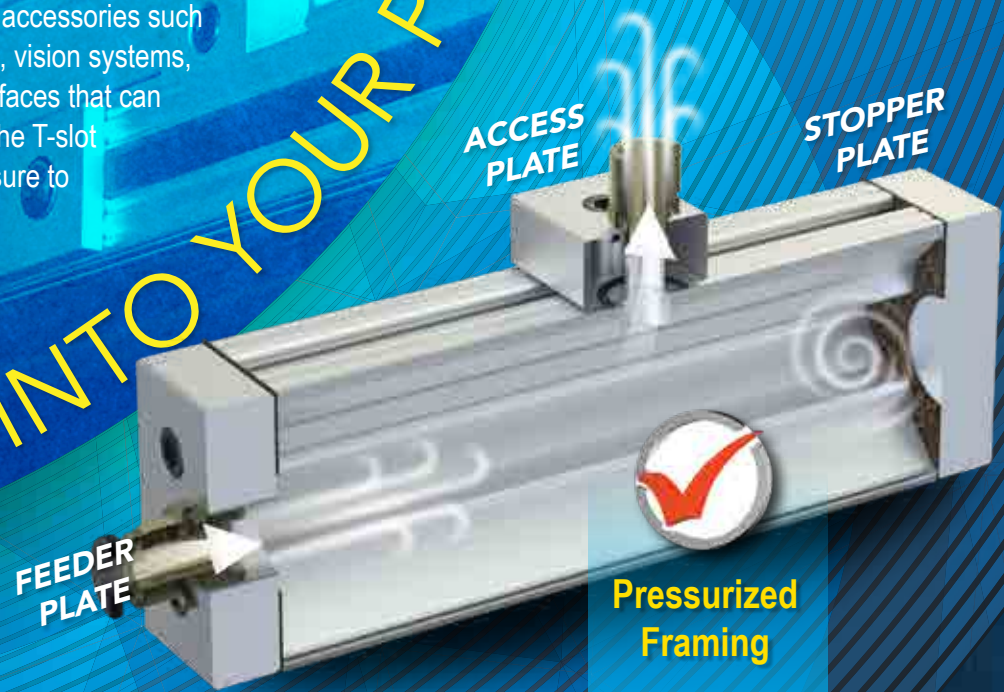
When you partner with 80/20 to create custom applications you work with the industry leader. 80/20 has been supporting the market for over 30 years with the largest product offering in the business. We listen to your needs and provide products and services that support your changing requirements.

20%

**Reduce floor space  
by 20% with a  
pressurized frame.**

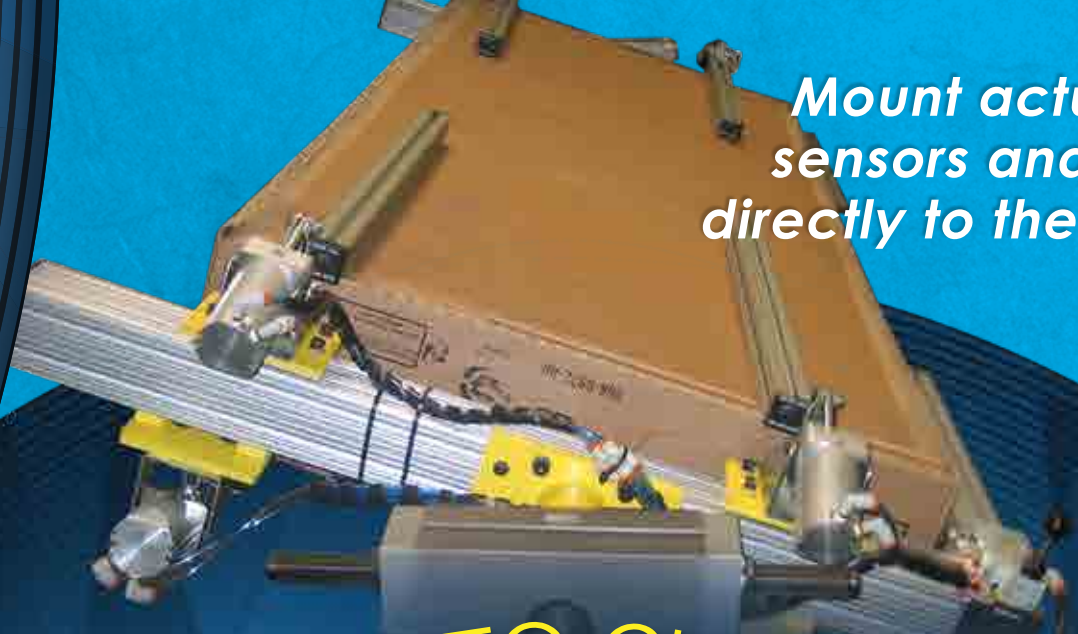
Take a look at the design of an 80/20 T-slot profile. It has channels that allow you to mount components directly to your structure. This provides infinite positioning of accessories such as sensors, valves, actuators, safety controls, vision systems, bar code scanners and human-machine interfaces that can be integrated into your frame. What's more, the T-slot allows you to create a manifold, adding pressure to an entire machine frame.

**INTEGRATE INTO YOUR PROCESS**



**Pressurized  
Framing**

**Mount actuators,  
sensors and more  
directly to the T-slot.**



**ADAPT TO CHANGES**

You have an adaptable and modular application that enables quick changeover and increased productivity through efficiencies; when you need to add, change, or remove components it's simple and straightforward. The T-slot structure becomes part of your equipment, completing tasks and eliminating the need for duplicate resources.

# Made for **MODULARITY**

T-slot profiles are also more forgiving than steel options. If you need to alter or modify your structure, you can simply make adjustments to your profiles. Once you've welded parts together or drilled a hole in steel, it's tedious and time-consuming, sometimes even impossible, to correct. Profiles are reusable and scalable so when your processes or equipment change you don't have to start from scratch.

The nature of these products provide flexibility which allows you to cater to both high and low-volume runs as well as mass customization. Add an additional axis to mount components exactly where you need them or find the precise degree and size to fit your equipment and processes.

*The flexibility of T-slot aluminum  
can help avoid very costly  
delays, errors, and accidents.*



Mount Safety  
Components



# AUTOMATION SOLUTIONS

In order to accommodate diverse automation solutions, 80/20 provides both fractional (inch unit) and metric (millimeter unit) families for easy integration with existing equipment regardless of the manufacturer. From packaging or robotics, to the medical, automotive, or food and beverage industry, you'll find 80/20 T-slot structures provide lean, cost-saving, adaptable results.

80/20 has a proven record of consistent high-quality products coupled with fast speed to market. You'll also benefit from your local 80/20 distributors. These are top-level providers throughout the nation that have the experience, knowledge and range of complimentary products to support your entire project. Seasoned specialists will help you integrate total solutions and can assist with design and recommendations.



Run Tube  
and Wiring



- CONVEYOR SYSTEMS
- ENCLOSURES
- MACHINE FRAMES
- MOBILE WORKSTATIONS
- INSTRUMENT MOUNTS
- ROBOTIC ARMS
- SAFETY GUARDING
- WORK CELLS
- TEST FIXTURES
- LIFT EQUIPMENT
- AND MORE!





### Ready to Try It Out?

Request a demo van visit and your local 80/20 distributor will come right to your door so that you can see and interact with profiles and accessories. The van transports a gurney with samples of aluminum profiles, fasteners, panels, and more so that you can start creating your custom solution.

**GET HANDS-ON**

# 80/20

*Request your demo!*



Request Your On-Site Demonstration at [8020.net/requests](http://8020.net/requests)

# 80/20® Inc.

The *Industrial Erector Set*

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AUTO216



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