



CUSTOM
**RESEARCH &
DEVELOPMENT**

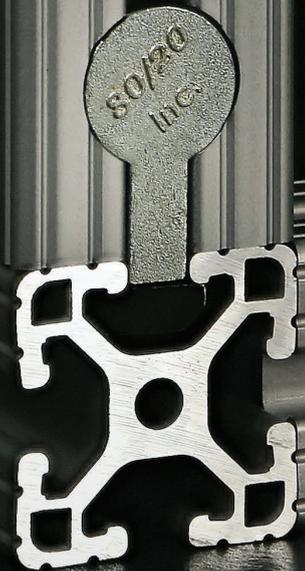
SOLUTIONS  **80/20[®]**

Learn how 80/20 R&D solutions reduce
downtime and increase flexibility.

Designed for Custom Solutions

80/20 Inc. provides T-slot aluminum profiles and the accompanying fasteners, accessories and parts to configure customized research and development solutions. It is an alternative option to typical welded-steel applications but without the associated high fabrication costs and lack of adaptability characteristic of steel projects; you'll find that profiles are easy to assemble and modify.

T-SLOT PROFILES



Aluminum is the Answer

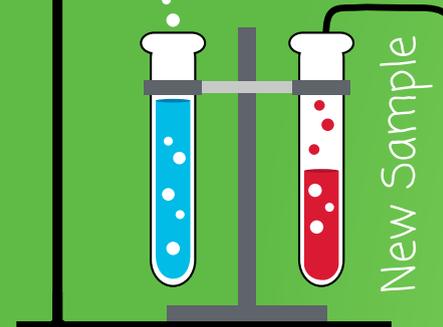
T-slot profiles are also a versatile option. Aluminum is comparable in strength to steel and provides long-lasting, vibration-resistant connections. It isn't magnetic and doesn't oxidize. What's more, aluminum doesn't pose a fire hazard and is a clean resource, as opposed to wood products that produce dust and increase the risk of combustion.

100%
Customized
to Your Needs



When you partner with 80/20 you work with the industry leader in T-slot profiles and parts. 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.

TEST THE
PROCESS

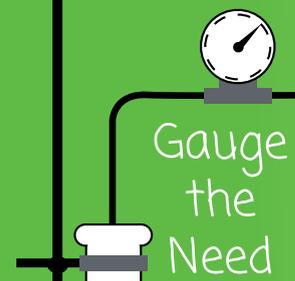


New Sample

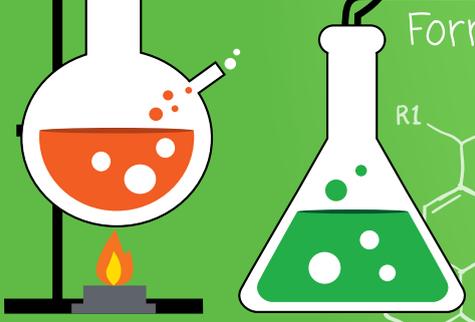
REDUCE DOWNTIME with Modularity



We know it's hard for you to speculate on what your objectives will look like past the very near future. Your scope of work is constantly changing, as is the advancing state of technology. Frequently, labs can have upwards of a 35% equipment churn rate every year. You need a modular solution that allows you to reduce downtime.



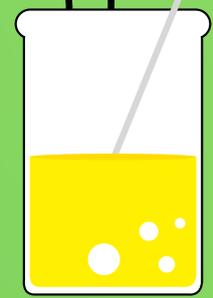
Gauge the Need



Formulate



Get the Solution You Need



Pressure Manifolds

FOR TESTING

Stanchions

TO CREATE PRECISE ANGLES

Cable Ties & Clips

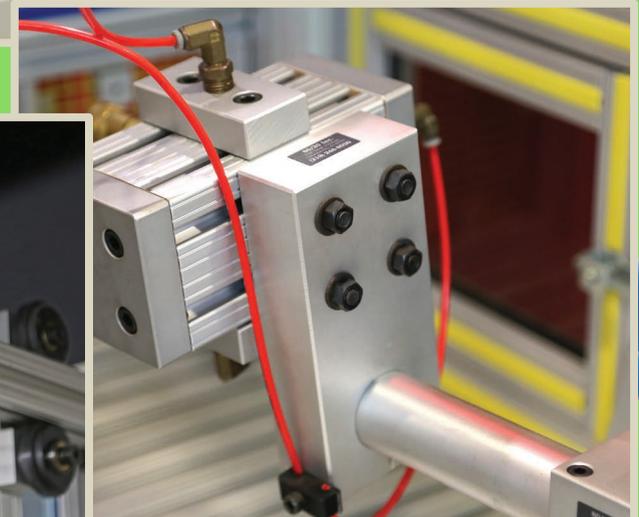
FOR ORGANIZATION

Roller Wheels

EQUALS MAINTENANCE-FREE MOTION

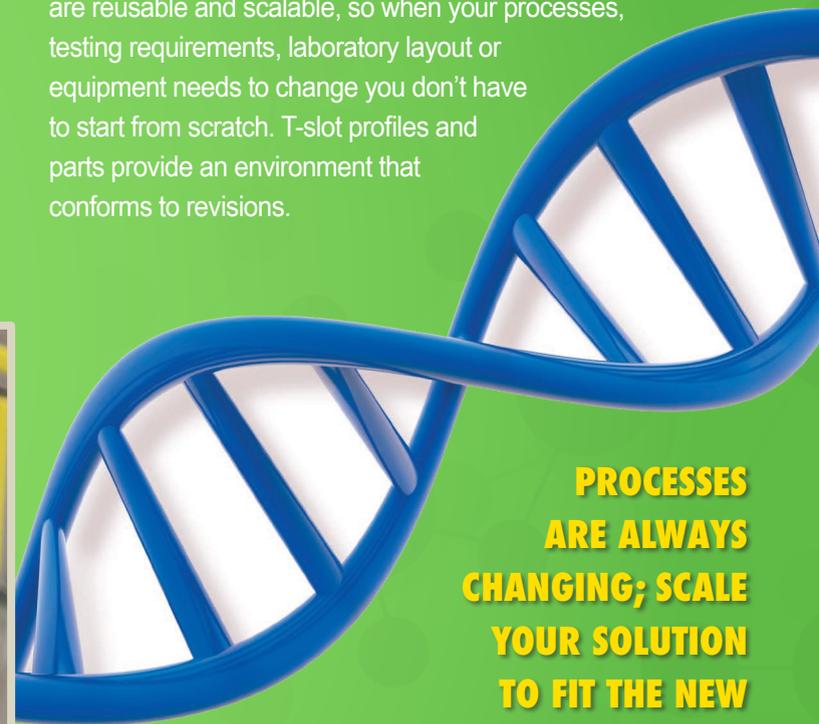
Anodize Breakers

FOR GROUNDED APPLICATIONS



Scalable Solutions

80/20 T-slot profiles enable anybody to make adjustments; add, remove, and modify components with a simple hand tool. Once you've welded or modified steel, it's tedious and time-consuming (sometimes impossible) to correct. Profiles are reusable and scalable, so when your processes, testing requirements, laboratory layout or equipment needs to change you don't have to start from scratch. T-slot profiles and parts provide an environment that conforms to revisions.

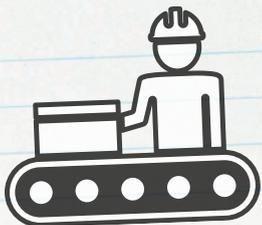


**PROCESSES
ARE ALWAYS
CHANGING; SCALE
YOUR SOLUTION
TO FIT THE NEW
REQUIREMENTS**

PRECISION WITH PROFILES

Take a look at the design of an 80/20 T-slot profile. They have channels that allow you to mount components directly to your structure. This provides precise and infinite positioning of tools, diagnostic resources, switches, monitors, safety controls, vision systems, breadboards – essentially anything, anywhere - along the T-slot.

THE LINK BETWEEN



American manufacturers are responsible for more than 2/3 of all private-sector R&D.



Support Your Design with 80/20's One-Stop Shopping

You'll find a range of products tailored to your custom laboratory. Create light-tight enclosures and protect sensitive equipment with our large in-stock inventory of low-reflective black anodize profiles. Incorporate ESD (electrostatic dissipative) polycarbonate panels – perfect for your desiccator storage cabinets or workbenches; the dissipative layers prohibit static electricity and they have excellent impact and chemical resistance. You also have access to both fractional profiles and parts that fit well with the common one-inch breadboards. Or, choose from metric profiles to integrate into existing applications.

80/20 T-slot profiles, parts, and accessories provide a wide range of solutions that simplify and organize your processes; consider the fact that you can run tubes and wires within the channel or add pressurization directly to your application. Easily test pumps, meters, vacuum systems, valves and more right within your profile frame.

TESTED BENEFITS



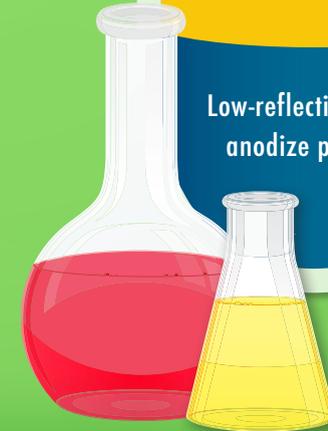
Aluminum profiles are not magnetic

Aluminum does not pose a fire hazard



ESD panels to prohibit static electricity

Low-reflective black anodize profiles

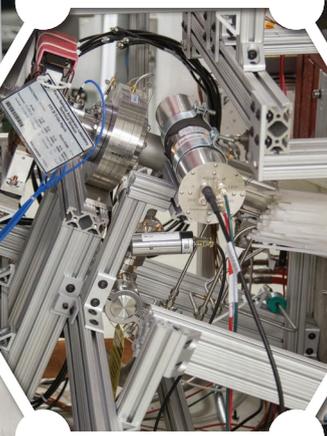


Variety of Unique Solutions

While each project is custom and unique; there are some common 80/20 T-slot solutions found in research and development applications:

- Mobile workstations
- Mobile HEPA filters
- Robotic arms
- Safety guards
- Storage cabinets and shelves
- Ergonomic laboratory carts and tables
- Custom-sized doors for server and processing rooms
- Interlocking gates with breakout panel for emergencies

EVERYONE WANTS TO BUILD SOMETHING



CALL YOUR 80/20 SPECIALIST TODAY!

Personal Support and Design Assistance

80/20 has a proven record of consistent high-quality products coupled with a fast speed to market. You'll also benefit from access to 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.



**BY THE
NUMBERS** COMPANIES IN
MANUFACTURING INDUSTRIES
PERFORMED \$221 BILLION (69%)
OF U.S. RESEARCH & DEVELOPMENT.

69%

80/20

Request your demo!



Request Your On-Site Demonstration at 8020.net/requests



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[®] Inc.

The *Industrial Erector Set*

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8020.net

RND217



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