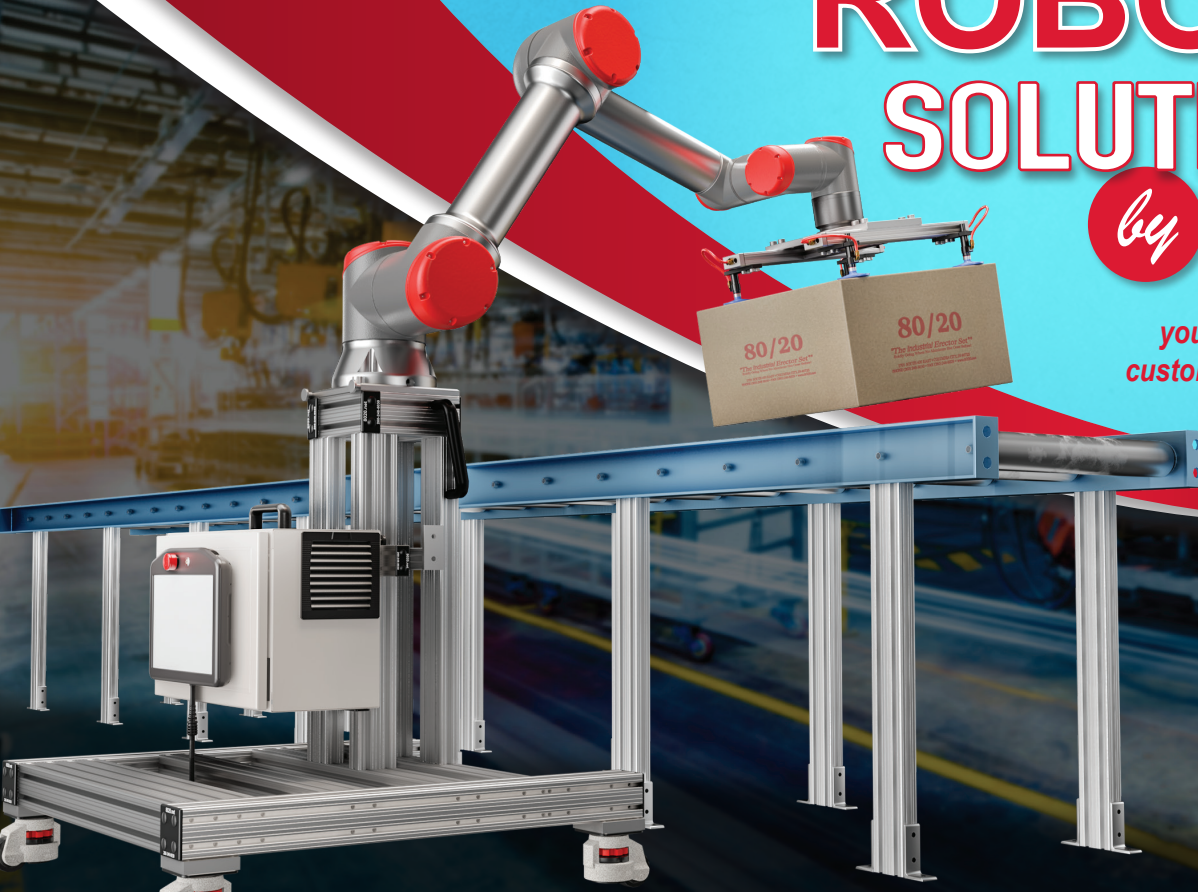


CUSTOM ROBOTIC SOLUTIONS



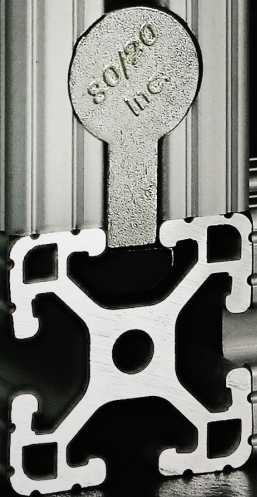
80/20™

*Discover efficiencies in
your robotic systems with 80/20
custom T-slot aluminum solutions.*



Designed for Custom Solutions

80/20 Inc. provides a unique building system consisting of T-slot aluminum profiles and the accompanying fasteners, accessories, and parts to configure custom robotic applications. It allows you to design applications to fit your equipment and processes and quickly reconfigure as standards change. Assembly is straightforward and only requires a simple hand tool.

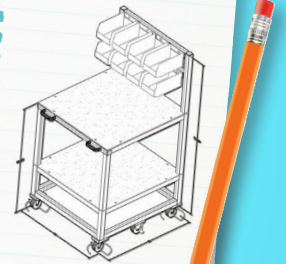




T-slot for Tailored Applications

Aluminum is comparable in strength to steel while providing long-lasting, vibration-resistant connections. It is non-magnetic and can stand up to most harsh chemicals. The project weight can be critical when designing robotics solutions, which makes the lightweight property of T-slot aluminum ideal.

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 processes.

INTEGRATED FOR EFFICIENCIES

The 80/20 T-slot profile has channels that allow you to mount components directly to your structures. This provides infinite positioning of your accessories from vacuum pumps, sensors, valves, safety controls, and vision system to actuators and human-machine interfaces that can all be integrated directly into the frame. 80/20 products are the framework that makes it easy to adapt the required components for a fast, efficient process.

With these integrations, you have an adaptable application that enables quick changeover and increased productivity. Include doors and entry points strategically in your workcell for repairs and maintenance, as well as adjustments. When you need to add, change, or remove components, it's simple and straightforward.

- **Configure to conveyor heights**
- **Easy integration of components**
- **Vibration-resistant frame**
- **Scalable for changing requirements**
- **Modular for faster implementation**
- **Strong yet lightweight**



Withstands Your Environment

Robotic applications must withstand the high impact and heavy vibrations of constant use. The “2-degree drop-lock” is an 80/20 design feature that combats high stress and vibrations. 80/20 products can support a wide range of applications, from cleanroom applications with closed-faced extrusions to foundry-type applications which may require robust extrusions.



80/20
The Industrial Erector Set™
Build It Where No Aluminum Has Gone Before!
1701 SOUTH 400 EAST • COVINGTON, LA 70022
PHONE: (262) 248-8020 • FAX: (262) 248-8025 • www.8020.com



Companies experience increases of 50-150% or more in production when replacing manual tasks with robotics

Guard Your Investments

Did you know that machine safeguarding is one of the primary regulations cited by the Occupational Safety and Health Administration (OSHA) for violations with a robotic system? As robots become increasingly common in the workplace, regulations are updated continuously to keep pace.

Eliminate Application Dangers

80/20 guarding, enclosures, and barriers fit to your machines and accommodate your production and maintenance needs. T-slot profiles and panels are modular and can quickly adapt to changing regulations and policies. Tailored applications enhance safety initiatives as well as productivity. At the same time, off-the-shelf alternatives don't allow for change or enhancements and most need modifications just to adhere to minimum requirements.

FRAME THE PROCESS





Assembly Line Flexibility and Safety

Industrial robots give your assembly line flexibility, provide safety elements, reduce production time, and raise production yields. From robots with high speed and precision to those that are collaborative, lightweight, and easily re-deployed, there are many beneficial options:

COLLABORATIVE

- Can Safely Work Beside Humans
- Easily Programmed
- Perform Repetitive Motion
- Perform Dangerous, Dull, or Dirty Tasks

HIGH-SPEED

- High Precision
- Reliable and Quick Packaging
- Sort Products or Orient them for Filling or Packaging
- Perform Dangerous, Dull, or Dirty Tasks

Utilize 80/20 T-slotted aluminum framing as the framework to allow flexibility and usability within the work space.

ROBOTICS SOLUTIONS



CUSTOM PLATES

MAKE HEIGHT WORK FOR YOU

ADJUSTABILITY

STRUCTURAL INTEGRITY

CASTERS

BENEFITS OF **ROBOTICS**

Decreased Cycle Times

Improved Throughput

Detailed Data Capture

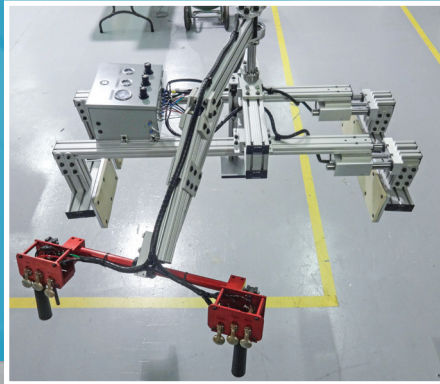
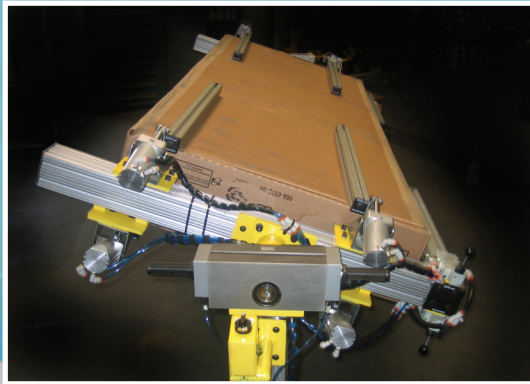
Improved Accuracy

Machine Tending

Increased Safety

Scalability

FLOOR MOUNTS



ROBOTICS SOLUTIONS

FRAMING FOR ROBOTIC COMPONENTS

CUSTOM ENCLOSURES

END OF ARM TOOLING SUPPORT

AUTONOMOUS VEHICLE STRUCTURES

VISION GUIDED SYSTEM FRAMING

SAFETY GUARDS

LINEAR ACTUATOR SUPPORT

ACTUATOR SUPPORT

**AND
MORE!**





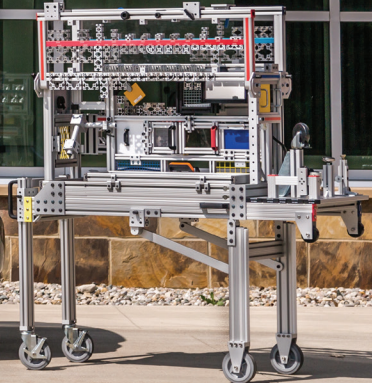
Ready to Try It Out?

Look to the professionals: the 80/20 distribution network can design and implement your next robotic solution. 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

80/20[®] Inc.

The *Industrial Erector Set*

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ROBOT0420



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