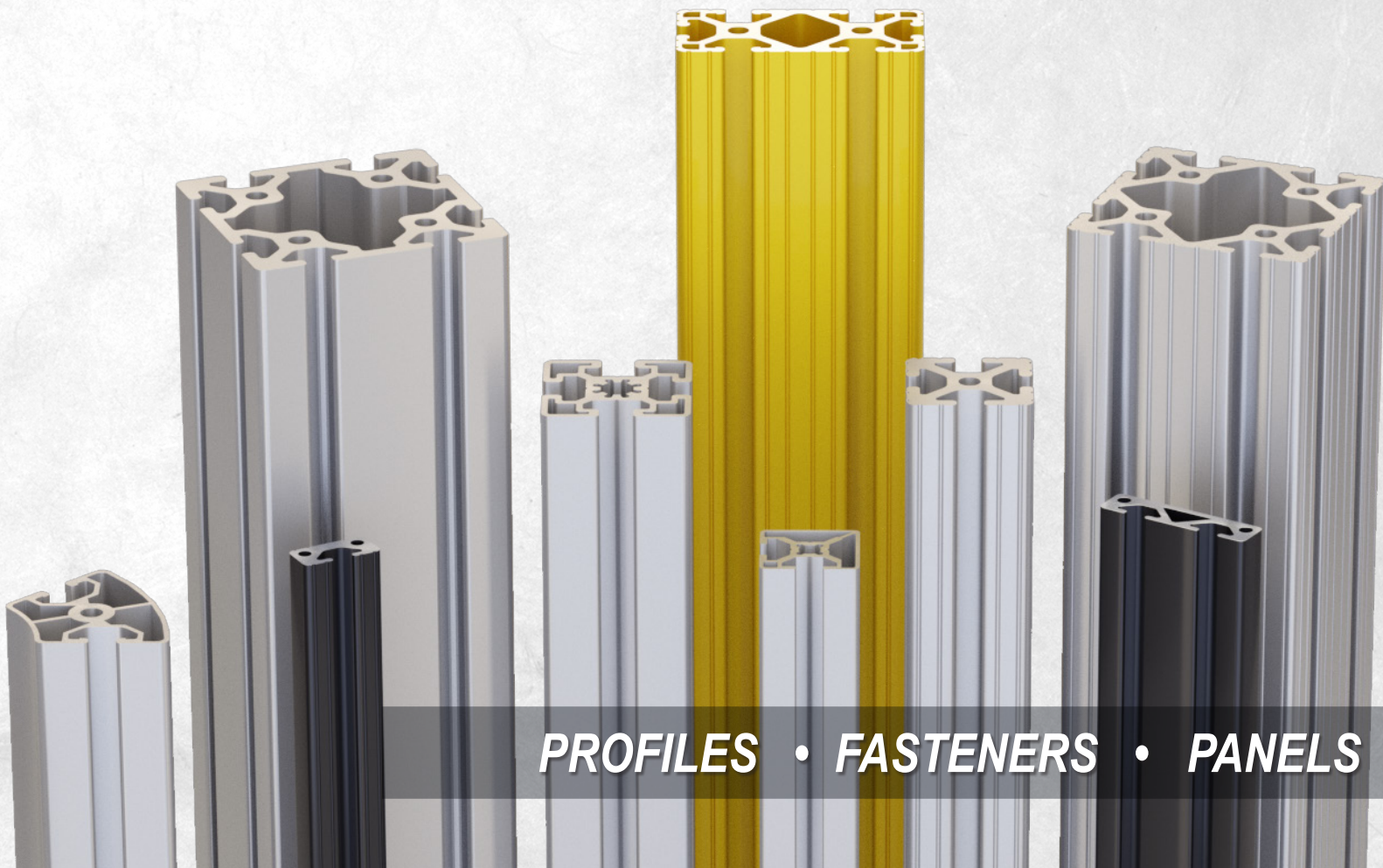


80/20[®] Inc.

The Industrial Erector Set



CUSTOM
ALUMINUM
FRAMING SYSTEMS



PROFILES • FASTENERS • PANELS •

ALUMINUM T-SLOT

A MODULAR SOLUTION

80/20 is an aluminum T-slot framing system that is easy to assemble and provides flexibility. It is a strong and durable option while also lightweight and longer-lasting than alternatives such as lumber or welded steel. The products are corrosion-resistant and can be used both indoors and outdoors without degrading.

80/20 products make it simple for you to build your custom solutions. T-slot profiles are easy to line up and connect and also allow you to make changes along the way. If your measurement needs adjusted, simply loosen a fastener and revise.



**COSTS LESS
THAN STEEL**



**NOT
MAGNETIC**



**CORROSION
RESISTANT**



**WEIGHS LESS
THAN STEEL**



**STRENGTH
SIMILAR TO STEEL**

CASTERS • LINEAR BEARINGS • ACCESSORIES • TOOLS

3

GET STARTED IN EASY STEPS

Your dedicated local distributor is available to guide you through any portion of your project, from conception - through design - to completion.

Whether you need a machine guard, material handling rack, jig, tradeshow display, linear motion or pressurized tools...and everything in between...80/20 can help make it a reality. We have an abundance of ideas and assistance to help you hone in on your requirements. In addition to your distributor, you have access to literature, photo galleries, videos and more for inspiration and examples.

**FREE
DESIGN
ASSISTANCE**

When you need help taking your project beyond a sketch, get started with 80/20's free design assistance.

STARTING WITH A
CONCEPT

1



GET YOUR
DESIGN

2

FOLLOWING IT THROUGH TO
COMPLETION

3

T-SLOT ASSEMBLY ANCHOR FASTENER

COUNTERBORE MACHINING REQUIRED

Step #1: Anchor fasteners ship pre-assembled. Slightly loosen the nut and bolt.



Step #2: Load the assembled anchor fastener into the counterbore hole. Be sure to position the T-nut with the offset hole oriented toward the top of the fastener.



Step #3: While holding the anchor fastener in the counterbore hole, slide the mating profile into place.



Step #4: Square and align the mating profile. Using a T-wrench, tighten the SHCS in a clockwise motion until the profiles are securely affixed.



T-SLOT ASSEMBLY END FASTENER

ACCESS HOLE & END TAP REQUIRED

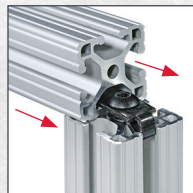
Step #1: Pre-assemble by placing the BHSCS through the hole in the wing clip as shown in the photo at left.



Step #2: Orient the wing clip in the direction of the mating profile's T-slot. Begin to screw the BHSCS into the tapped hole of the mounting profile (Do NOT fully tighten).



Step #3: Slide the mating profile into place. When aligned, the access hole on the mating profile should align with the BHSCS.



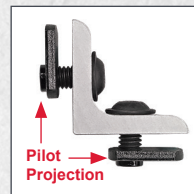
Step #4: Place a T-wrench into the access hole until the wrench head inserts into the BHSCS. Tighten clockwise until secure.



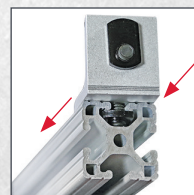
T-SLOT ASSEMBLY BRACKET & GUSSET

NO MACHINING REQUIRED

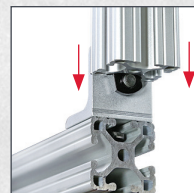
Step #1: Pre-load the bracket by placing the FBHSCS through the pre-drilled holes and screw into the T-nuts to engage the thread. (Face pilot projection on T-nut away from the bracket.)



Step #2: Slide the bracket into the T-slots of one profile (Do NOT fully tighten).



Step #3: Slide the mating profile onto the bracket; square and align both profiles.



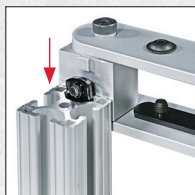
Step #4: Using a T-wrench, tighten all FBHSCS until the connection is secure.



T-SLOT ASSEMBLY STRUCTURAL PIVOT

NO MACHINING REQUIRED

Step #1: Slide T-nut on hinge into the T-slot of the profile. Tighten the hinge, but do not tighten fully until hinge is positioned to desired point.



Step #2: Loosen T-nuts on hinge arms and slide mating profile into hinge arms.



Step #3: Use a T-wrench to tighten down the hinge arm bolts.



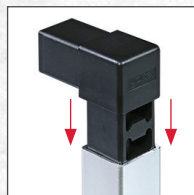
Step #4: Position hinge arms at desired angle and secure bolts into place.



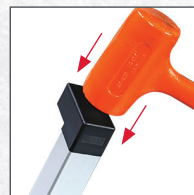
QUICK FRAME ASSEMBLY QF CONNECTOR

NO MACHINING REQUIRED

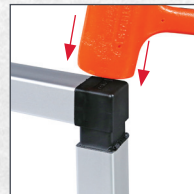
Step #1: Align one end of the connector to the open face of the Quick Frame profile.



Step #2: Using a soft face mallet, tap the connector into the Quick Frame profile. (The grooves inside the Quick Frame profile will hold connector in place.)



Step #3: Repeat the same process as in Step #3 with another Quick Frame profile to complete the connection.



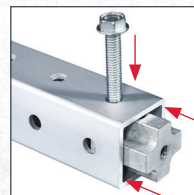
Step #4: Remove or cut away any remaining shavings left by the connection process for a clean and smooth finish.



READY TUBE ASSEMBLY TUBE INSERT

NO MACHINING REQUIRED

Step #1: Slide the Standard Tube Insert into the profile with the mounting hole in the proper orientation. Slip the hex bolt through the profile and insert.



Step #2: Tighten the hex bolt until the Standard Tube Insert is securely in place.



Step #3: Align the mating profile flush in front of the tube insert. Thread the second hex bolt through the mating profile and screw it into the end of the tube insert, finger tighten.



Step #4: Square and align the mating profile. Using a 1/2" wrench, tighten the hex bolt until the connection is secure.



80/20 BUILDS

The 80/20 Builds service helps you increase your productivity. On average, we can assemble your project in about a quarter of the time it takes most businesses. We have a team of dedicated and experienced technicians that optimize designs, build projects, and ship them safely and damage-free. Our tools and resources ensure precise assembly to your exact specifications.



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SERV

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SERVICES

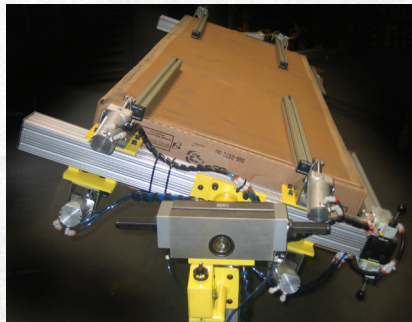
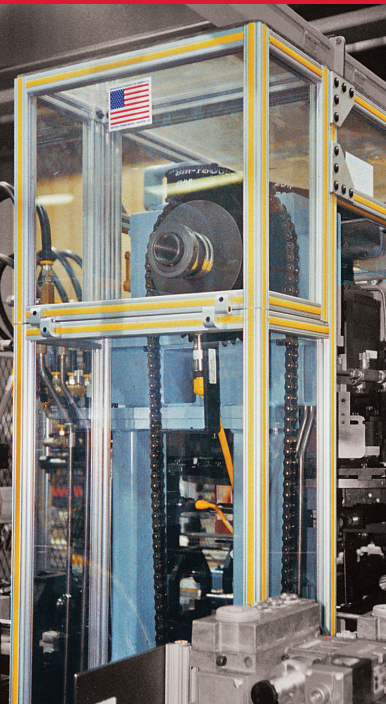


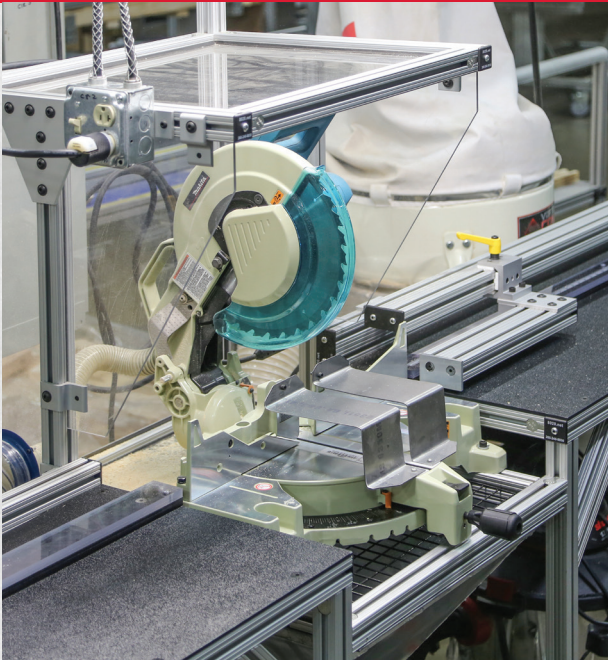
CUSTOM MACHINING

You also have access to our in-house Custom Machine shop. This service means we can be your one-stop-shop for T-slot systems as well as custom parts to complete your entire project. Our precision shop makes adjustments or changes to any part in our catalog, saving you the headache and cost of outsourcing these services. And if it's not in our catalog, we'll source it for you.

Request a Quote Today!







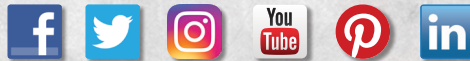
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