

A-LINE'S SKILLS TRANSLATE TO MANY INDUSTRIES

You might think that **A-Line Corp.** products are only useful for certain types of industries. Nothing could be further from the truth. A-Line solves problems, no matter the industry. They provide versatile structural frames, machine stands, workstations and test tables. Their mounting systems are strong and stable. They can be delivered in kits or completely assembled.

Here are some examples of the variety of A-Line solutions:

MATERIALS SCIENCE

This base required very precise positioning of the horizontal beams for the small-angle x-ray scattering instrumentation installation.

A-Line used Kanya aluminum extrusions, commonly known as t-slots, to build this machine base. The machine base needed to be very robust to hold the weight of the machine. It also had to be light enough to be shipped relatively inexpensively. The Kanya aluminum extrusions insured perfectly parallel and perpendicular lines for the instrumentation to be attached easily and accurately.



QUANTUM PHYSICS LAB

This base was required to support a 2,500 lb. optics table with pneumatic vibration isolators. The base resides in a low magnetic field environment, so the structure had to be non-magnetic. Since it is about six feet tall and twelve feet wide at the base, it needed to be shipped as a kit, for on-site construction.



The solution: Kanya heavy-duty aluminum extrusion or t-slots as they are non-magnetic. In addition, all the connectors, isolation pads and floor mounting plates were made from 304L stainless steel. The aluminum extrusion design is rigid and this feature minimized flex in the base, which was another specification.

MEDICAL DEVICE PRODUCTION

This machine stand was designed to ease operator fatigue and be able to switch from vertical to horizontal in order to produce multiple products.

The A-Line Automation team worked closely with the medical device production design team. The first solution was to adjust the working height of the machine base, hydraulically with a hand crank and optionally with an electric motor. The second was to allow the machine to move from horizontal to vertical in 15° increments.



This allowed for a multitude of different product production from a single machine and saved the customer significant capital investment in multiple machines.

HEALTH CARE PROTECTION DEVICES


In our current health care crisis, you or your customers may be looking to protect your employees from being exposed to infections. A-Line Corp. manufactures sneeze guards and protective barriers. They can provide cost-effective protective barriers, safety shields and partitions.



Made From Lightweight Aluminum Extrusion

- Durable and aesthetically pleasing barriers
- Fast Turn-Around
- Customized or Pre-Engineered shield barriers
- Modular for extended customization
- Easy to Install - you can attach to desks, countertops
- Attach side-by-side to create protective barriers
- In-fill panels with clear acrylic; polycarbonate or colored panels
- Perfect for company clinics, security checkpoints, offices
- Bring us your ideas and A-Line can custom make it for you

More Fabrication Examples with Aluminum Extrusions

		
Dividing Wall	Large Aluminum Crossover	Lighted Display Cabinet
		
Aircraft Test Frame	Automotive Tooling Jig	Mobile Medical Cart
		
Jewelry Display Cases	Display Case	Internal Clean Room
		
Custom Medical Instrument Station	Multiple Camera Mounting Frame	Medical Adjustable Height Workstations

The more you see from A-Line Corp., the more you learn about their diverse capabilities. Want to learn more about aluminum framing solutions from A-Line Corp.? Please visit their web site at: www.alineautomation.com. You can contact Jack Dixon at 704-895-6805, jackdixon@dixoneng.com or Brian Barefoot at 704-655-0411, brianbarefoot@dixoneng.com. We would be happy to visit you at your facility to discuss a project. We look forward to working with you on your next project.

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