



Mission Statement

Our mission is to provide a modular framing system that helps builders, engineers, and manufacturers to create thousands of unique solutions from one common platform. By designing components that work together and can be used across applications, we make it easier to build, adapt, and innovate.

Vision Statement

To lead the modular framing industry with a system that is meticulously engineered, endlessly adaptable, and reusable for industrial applications.

What sets us apart: Simplicity, speed, and flexibility. Every component is engineered for fast, intuitive assembly and comes complete with the necessary hardware — making design, ordering, and installation easier than ever. Our system is also packed with a wide range of accessories and components that expand its capability, allowing customers to build anything from industrial enclosures to custom workstations with unmatched versatility.

What we offer: Smarter, faster and more versatile ways to create. We offer pre-engineered guarding systems and customized solutions, all featuring standardized hardware. This saves our customers the time and frustration of making sure they have the correct mounting hardware for their projects.

How we can help you: Premium quality at lower cost. Because we are an American company and we sell directly to our customers, there are no middlemen or third-party markups. We pass those savings directly on to you. Our vast inventory allows us to provide quick turnaround for cut profiles or engineered solutions. Dedicated customer service agents will provide fast quotes and order processing.

Why we are the best: Over 25 years of experience and knowledge. Modular Solutions is backed by a quarter century in the aluminum industry, we're proud to be family owned, American operated, and committed to U.S. manufacturing. Our aluminum profiles are extruded right here in the United States, and every product reflects our belief in supporting American industry and innovation.

Our Story

Modular Solutions is the result of over two decades of engineering expertise and innovation. The Modular Solutions Industrial Framing System brings together the best features from leading modular systems into a single, unified platform — made right here in America.

About our Founder

Stephen Schmaltz, Founder & Engineer

Stephen Schmaltz has been designing, building, and improving framing solutions for industrial and commercial use for over 25 years. Armed with over two decades of experience in modular aluminum framing systems and a Mechanical Engineering degree from Michigan Technological University, he set out to find a smarter, faster, and more versatile way to build. Stephen saw an opportunity to create something better — a system that simplifies design, improves compatibility, and delivers exceptional value. This is how Modular Solutions was created.



Why Choose Modular Solutions

Build Faster. Adapt Easier. Designed for Reuse.

Modular Solutions provides complete aluminum framing systems and engineered solutions that assemble faster than steel, adapt to changing needs, and deliver years of reusable value.



Faster by Design

Our exclusive Speed-Lock fastening system eliminates drilling, tapping, milling, welding, and painting. Hidden fasteners create a clean, professional appearance while dramatically reducing fabrication and assembly time. Projects that once took days can often be completed in hours.

Built to Last

Aluminum profiles are lightweight, corrosion-resistant, and require virtually no maintenance. Unlike painted steel structures, they won't rust, chip, or require refinishing over time. Your investment continues looking and performing like new for years.

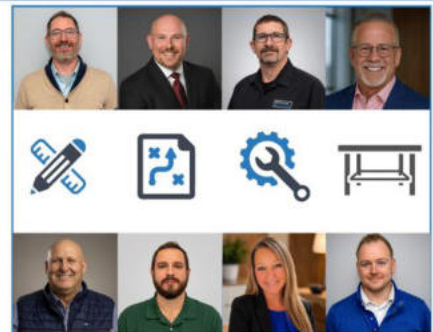


Reusable & Expandable

Think of our system as industrial-grade building blocks. The same profiles and components can be disassembled, modified, expanded, and reused as your needs change. Instead of discarding old equipment, you can repurpose it into new solutions.

More than Components

Many suppliers sell parts. We provide engineering, design, fabrication, assembly, and installation support to help bring your project from concept to completion. Our team works alongside you to develop practical solutions that fit your application and budget.



One Complete System

Thousands of compatible accessories work seamlessly together within a single platform.

From fasteners and panels to doors, hardware, and specialty components, everything is designed to integrate into one cohesive system.

The result is a simpler purchasing process and a better finished product.

Aluminum Profile Systems

Easy, Convenient, Interchangeable



45 Series

The 45 Series Aluminum Profile is a heavy-duty framing system built for demanding industrial applications. Its robust design delivers exceptional strength, stability, and durability for machine frames, automation equipment, and large structural assemblies.

30 Series

The 30 Series Aluminum Profile offers a versatile balance of strength and flexibility for a wide range of industrial and commercial projects. Its compact, modular design enables easy assembly, customization, and expansion for workstations, enclosures, and equipment frames.



D28 Series

The D28 Series has a lightweight design that maximizes efficiency in dynamic production environments. Ideal for carts, flow racks, and workstations, it enables quick reconfiguration while supporting lean manufacturing and improvements.

Common Solutions

Guarding



Whether you need a simple enclosure or a complex solution with integrated systems, Modular Solutions can help you

We use proven techniques from throughout the industry, to bring you the most comprehensive offering on the market

Enclosures



We can help you create your ideal workbench with a variety of additions and customizations.

Workstations



Whether you need a simple gravity conveyor or a fully automated conveyor package, we can help with your solution

Conveyors



Stairs & Mezzanines



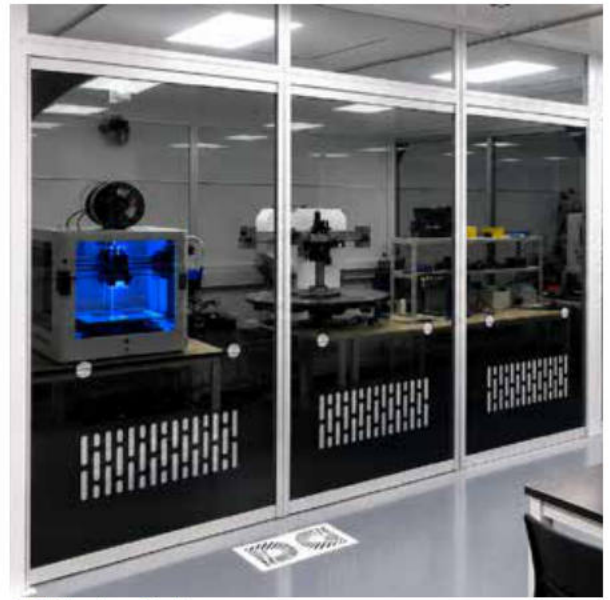
We can create you a custom stair and mezzanine solutions. Our Aluminum is easier to assemble and customize than steel

Your Floor, Our Expertise

Every efficient operation starts with a clear picture of what's holding it back. Our team works alongside your engineers and procurement specialists to conduct thorough on-site assessments, mapping your existing systems, identifying bottlenecks, and uncovering inefficiencies that may have gone unnoticed. We don't arrive with a pre-packaged answer. We arrive with the right questions, and we listen before we act.



Linear Conveyor



3D Printing Enclosure



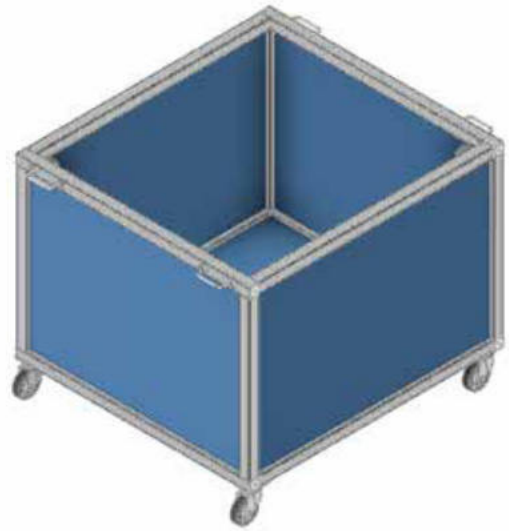
Mobile Table



Machine Guarding Enclosure



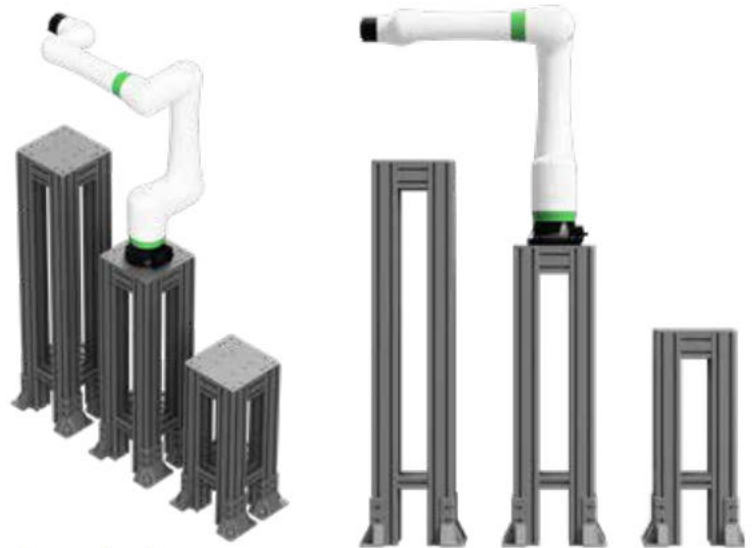
Warehouse Fencing



Foldable Handles Cart



Transfer Table



Cobot Pedestals



Mobile Birch Bench



EV Battery Cart

Understanding Your Unique Requirements

No two environments are identical. Differences in production volume, component tolerances, lead time pressures, and regulatory requirements all shape the solution you need. Our application specialists are trained across pneumatics, fluid power, motion control, and automation. Giving us the cross-functional fluency to translate your operational challenges into precise technical requirements before a single component is specified.



Flow Racks



AMR Enclosure



Flow Racks



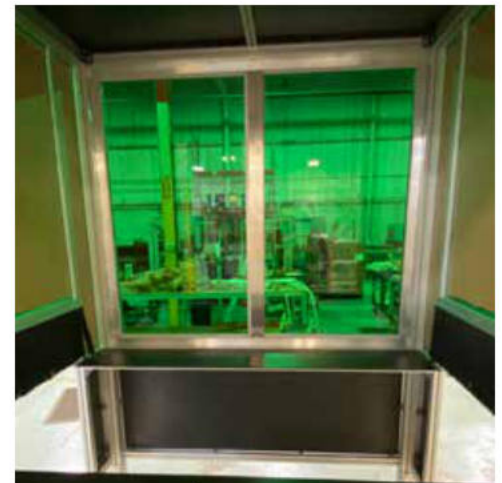
Workstation



Testing Tunnel



Vision Booth



Green-Laser Enclosure



Tunnel



Outdoor ArtPrize Display Stand



Mobile Co-bot Cart



Trade show Display Case



Outdoor ArtPrize Display Stand



Trade show Booth

Designing Modular Solutions

Modular solutions are built on a simple principle: give each sub-system a defined role so the whole performs reliably. We design around your existing infrastructure wherever possible, selecting components that integrate cleanly, scale with demand, and can be serviced or upgraded independently. Whether you're standardizing across a product line or engineering a first-of-kind assembly, modular design reduces risk, shortens lead times, and makes maintenance predictable.



Linear Conveyor Enclosure



Rotary Turntable System Enclosure



Conference Room & Overhead Supervisor Offices



Mobile Enclosure



Workbench Assembly



Industrial Laser Enclosure



Flow Racks



Table



Humidity Controlled Clean Room



Area Fencing



Sliding Door Guarding



Machine Area Enclosure



Roller Ball Conveyor



Manual Strip Curtain Door



Hood Paint Rack



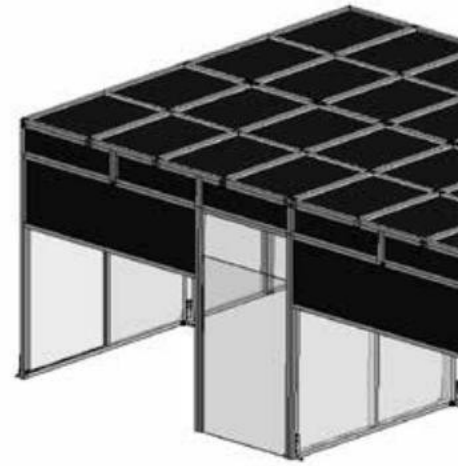
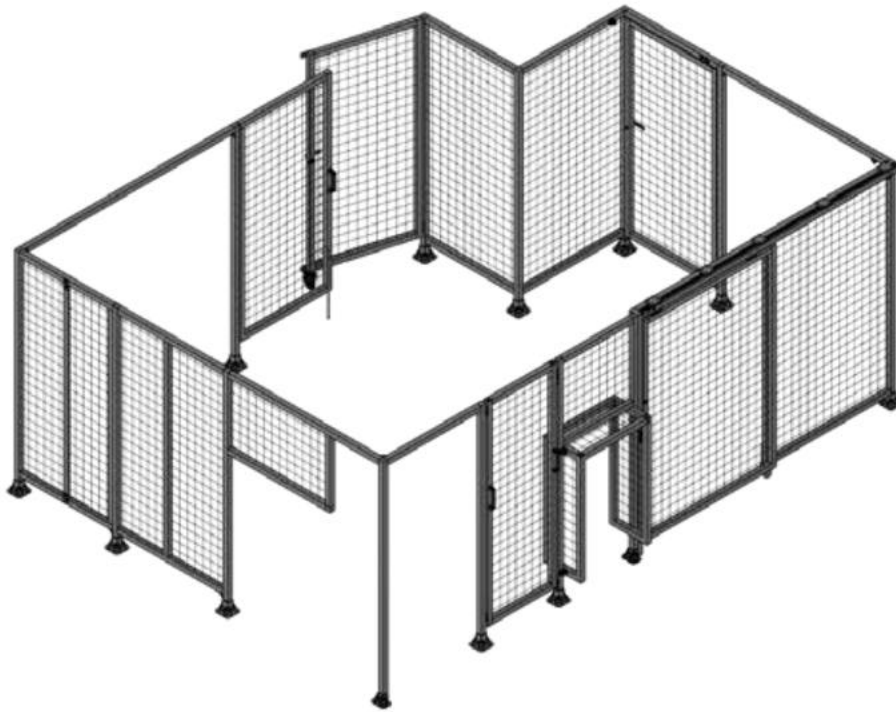
Stairs



Machine Hood Cover

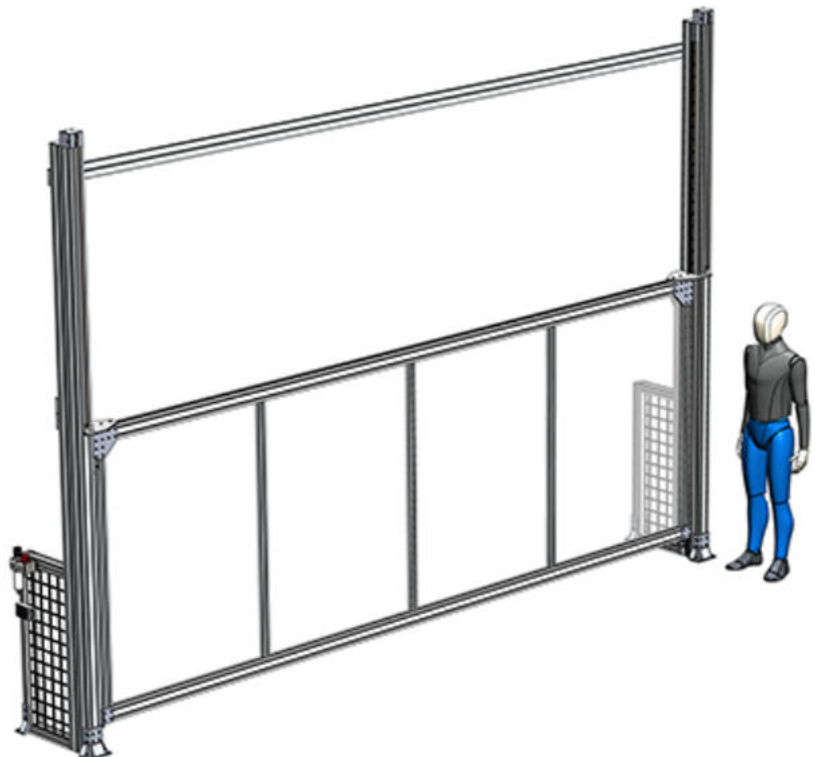


Mobile Platform/Podium

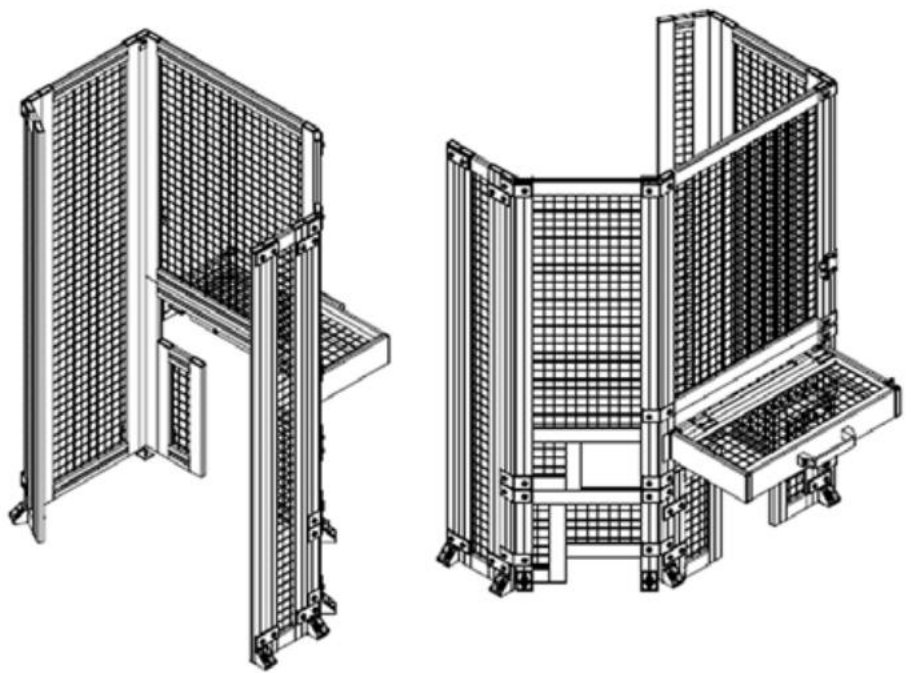
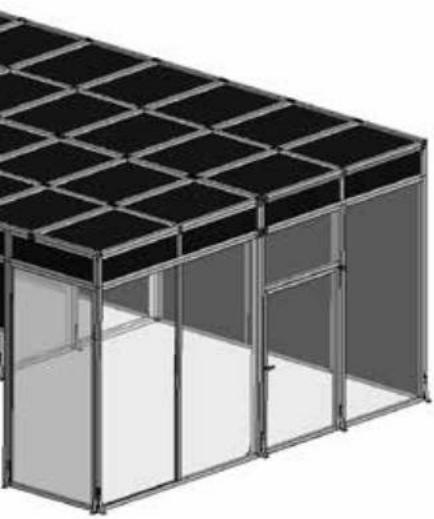


From Specification To Delivery

Once the design is locked, we leverage our distribution network and supplier partnerships to source, stage, and deliver components on your schedule. Kitted assemblies, pre-configured sub-systems, and vendor-managed inventory programs mean your team spends less time on procurement and more time on production. We manage the complexity so you don't have to.



Automatic Horizontal Lift Door Concept



Polycarbonate Work Cubicles



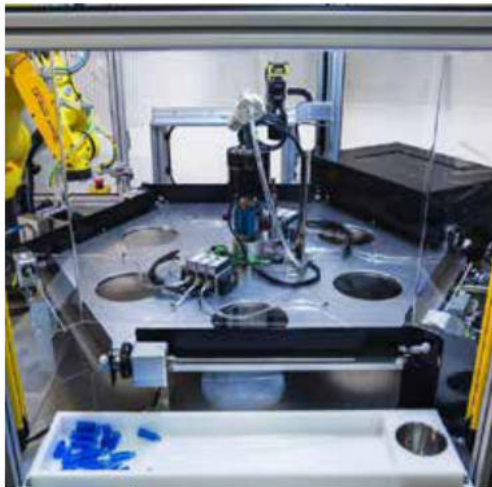
Rotary Turntable System Enclosure

Continuous Improvement & Long-Term Partnership

From workstations and conveyors to safety guarding, enclosures, and custom facility solutions, every project shown here represents a different challenge solved through modular design. Our systems are built to adapt around your people, your space, and your workflow, giving you a structure that is clean, efficient, and ready to perform.



Sound Enclosure



Testing Enclosure



Mobile Flow Rack



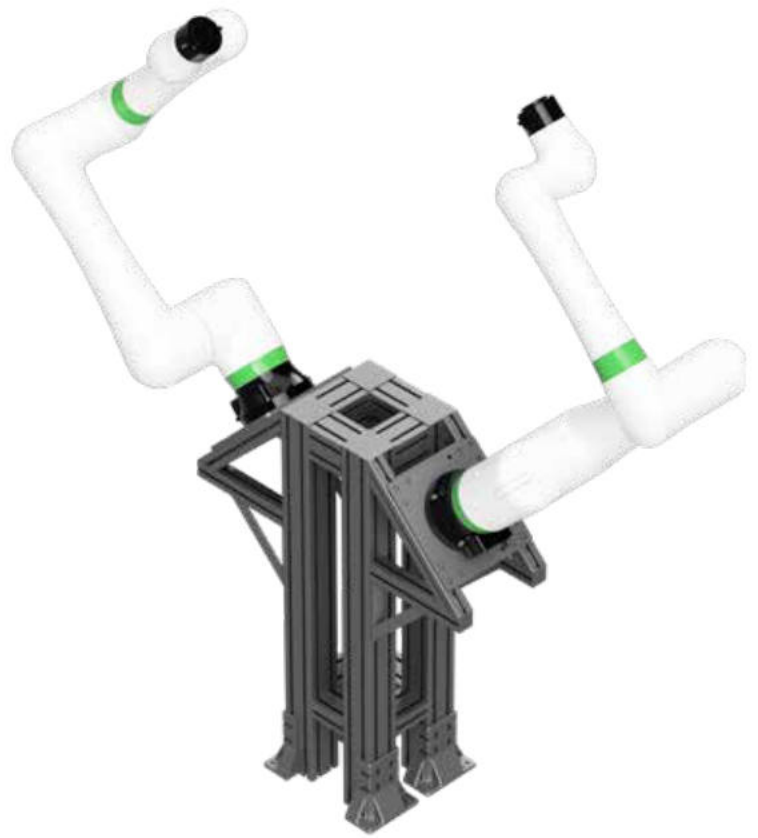
Machine Guarding



Modular Workstation



Single Strand Conveyor



Cobot Pedestal Stand



Bus Stop



Industrial Workstations



Electrical Modular Enclosure



Turntable Rotary System Enclosure



Machine Guarding



Machine Guarding



Conveyor Line Guarding



NRC Rated Sound Enclosure



Polycarbonate Offices & Conference Rooms



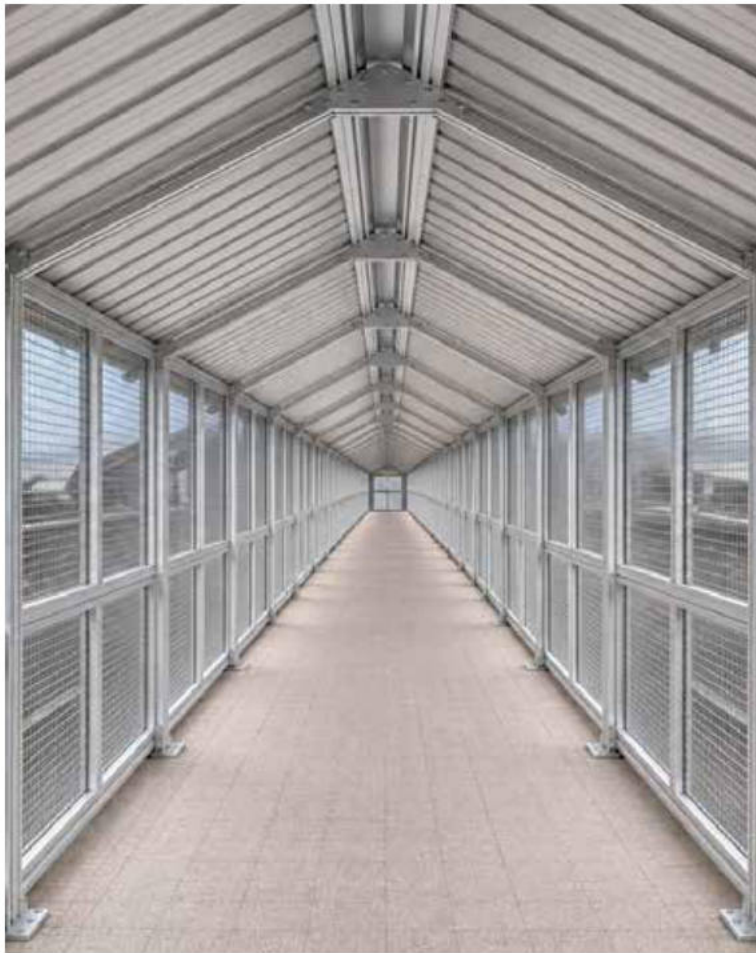
Materials Crib



Overhead Canopy



Tabletop Machine Cover



Covered Walkway



Smoking Shelter



Operation Room Enclosure



Break Room



CMM Dimensional Gauging Room



Packaging Equipment Guarding

Built for What's Next

Markets change, production demands shift, and customer expectations continue to evolve. For OEM's, that means solutions must do more than meet the immediate need. They must be flexible enough to adapt, strong enough to scale, and practical enough to support long-term performance. Modular solutions make that possible by creating systems that can grow and change without requiring a complete redesign every time conditions shift.

Modular Solutions helps organizations build with the future in mind. By combining application knowledge, thoughtful design, and a practical understanding of real operating environments, the team develops solutions that address today's challenges while preparing for tomorrow's opportunities. The result is a smarter path forward: systems that are easier to maintain, easier to expand, and better equipped for what comes next.



Clean Room



Accumulating Conveyor



Curtains



Plastic Tubing Rack



Custom Cart



Area Safety Fencing



Shelving Unit



Mesh Guarding



Table Frame/Stand

Everything You Need to Build, Improve, and Expand

Modular Solutions supports a wide range of needs, from complete workstations, carts and dollies, flow racks, guarding systems, industrial enclosures, stairs, platforms, mezzanines, stands, displays, and conveyance or linear-motion structures to the simple everyday essentials that keep projects moving, such as shelves, bins, labels, hardware kits, brackets, casters, leveling feet, hinges, handles, fasteners, panel connectors, framing accessories, replacement parts, safety add-ons, ergonomic upgrades, layout adjustments, and quick-turn modifications.

We also provide custom fabricated assemblies, lean manufacturing cells, safety-integrated structures, line-side organization solutions, material handling improvements, retrofit packages for existing equipment, phased expansion builds, and repeatable modular designs that can be scaled across multiple facilities, along with the small but important details like part identification, kitting support, reorder planning, and on-going updates as your operation grows, and many more solutions tailored to your environment.



Material Handling Carts



Supermarket Kanban Flow Rack



Stair, Platform, & Mezzanine System

From Concept to Completion

Understanding Your Requirements - Finding the Best Solution

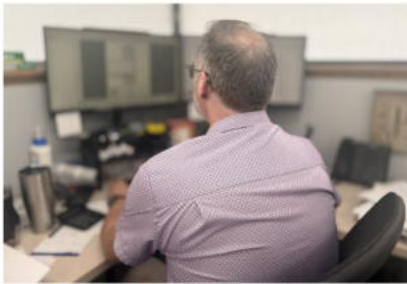
Our sales team works closely with customers to identify opportunities, gather project information, and recommend the best solution.

Capabilities:

- Site visits
- Application review
- Project consultation
- Budgetary quotations
- Procure recommendations
- Project scoping



Engineering & Design Services - Turning Ideas into Solutions



Our Engineering team works closely with customers to develop machine guarding, workstations, enclosures, conveyor systems, platforms, and custom structures.

Capabilities:

- Application engineering
- CAD design and modeling
- Design-for-manufacturing review
- Project consultation
- Custom solution development

Precision Cutting & Machining - Built for Accuracy and Consistency

Our automated cutting and machining equipment ensures components are produced accurately and consistently.

Capabilities:

- Precision aluminum profile cutting
- Milling, machining and drilling
- Profile shaping and bending
- Production and prototype
- Precision profile saws
- Vertical milling machines
- Production machining equipment
- CNC Profile and tube bender



Panel & Custom Fabrication - Custom Components Manufactured In-House



From enclosure panels to custom brackets and specialty components, our fabrication department provides the flexibility to create solutions tailored to each application.

Capabilities:

- CNC panel production
- Polycarbonate and composite panel machining
- Aluminum component fabrication
- Custom brackets and mounting plates

Equipment:

- CNC panel router
- Panel and mesh Shear
- Mesh panel break
- Fabrication equipment

Engineering, Manufacturing, Assembly, and Support Everything Needed under one roof.

Structural & Assembly Services - Complete Systems Ready for Installation

Customers can purchase individual components, pre-packaged kits, subassemblies, or complete assemblies.

Capabilities:

- Machine guarding systems
- Enclosures, workstations and conveyors
- Automation and Motion Solutions
- Kitting and pre-assembly

Equipment:

- Dedicated assembly areas
- Material handling equipment
- Individual Workstations



Service, Support & Rapid Response - Support Beyond the Sale



Our relationship with customers continues long after delivery, we provide responsive support to keep projects moving.

Capabilities:

- Installation support
- Project Management
- Replacement parts
- System modifications
- Technical assistance
- Rapid turnaround services

Bringing Projects to Life - Professional Installation and Execution

Our installation team ensures systems are installed correctly, safely, and efficiently at the customer facility.

Capabilities:

- On-site installation
- Mechanical assembly
- System modifications
- Facility upgrades
- Project coordination
- Startup assistance



Building Long-Term Relationships - More than just Individual Projects



Many of our customers return year after year because we become an extension of their engineering, maintenance, and operations teams.

Capabilities:

- Facility assessment
- Productivity improvements
- Safety upgrades
- Cost reduction initiatives
- Standardization programs
- Ongoing consultation

Industries Served



Aerospace

- Cleanroom-compatible enclosures
- Precision tool station guarding
- Aircraft assembly line protection
- Composite material handling systems



Automotive

- Robotic welding cell enclosures
- Assembly line guarding
- Paint booth barriers
- Component testing stations



Commercial Buildings

- HVAC equipment enclosures
- Mechanical room barriers
- Rooftop equipment guarding
- Elevator machinery protection



Commercial Residential

- Residential unit enclosures
- Building entry protection
- HVAC screening systems
- Exterior equipment guarding



Data Centers

- Server rack enclosures
- Hot/cold aisle containment
- Power distribution guarding
- Cable management systems



Factory Automation

- Automated production line guarding
- Robotic arm cell enclosures
- Integrated conveyor barriers
- Smart factory equipment protection



Healthcare

- Medical device assembly stations
- Laboratory equipment guarding
- Sterile processing area enclosures
- Pharmaceutical production barriers



Manufacturing

- Machine perimeter guarding
- Robot cell enclosures
- Conveyor system barriers
- Assembly line workstations



Oil & Gas

- Refinery equipment protection
- Pump and valve enclosures
- Hazardous area barriers
- Offshore platform guarding



Retail

- Backroom equipment cages
- Loading dock barriers
- Point-of-sale kiosk frames
- Retail display structures



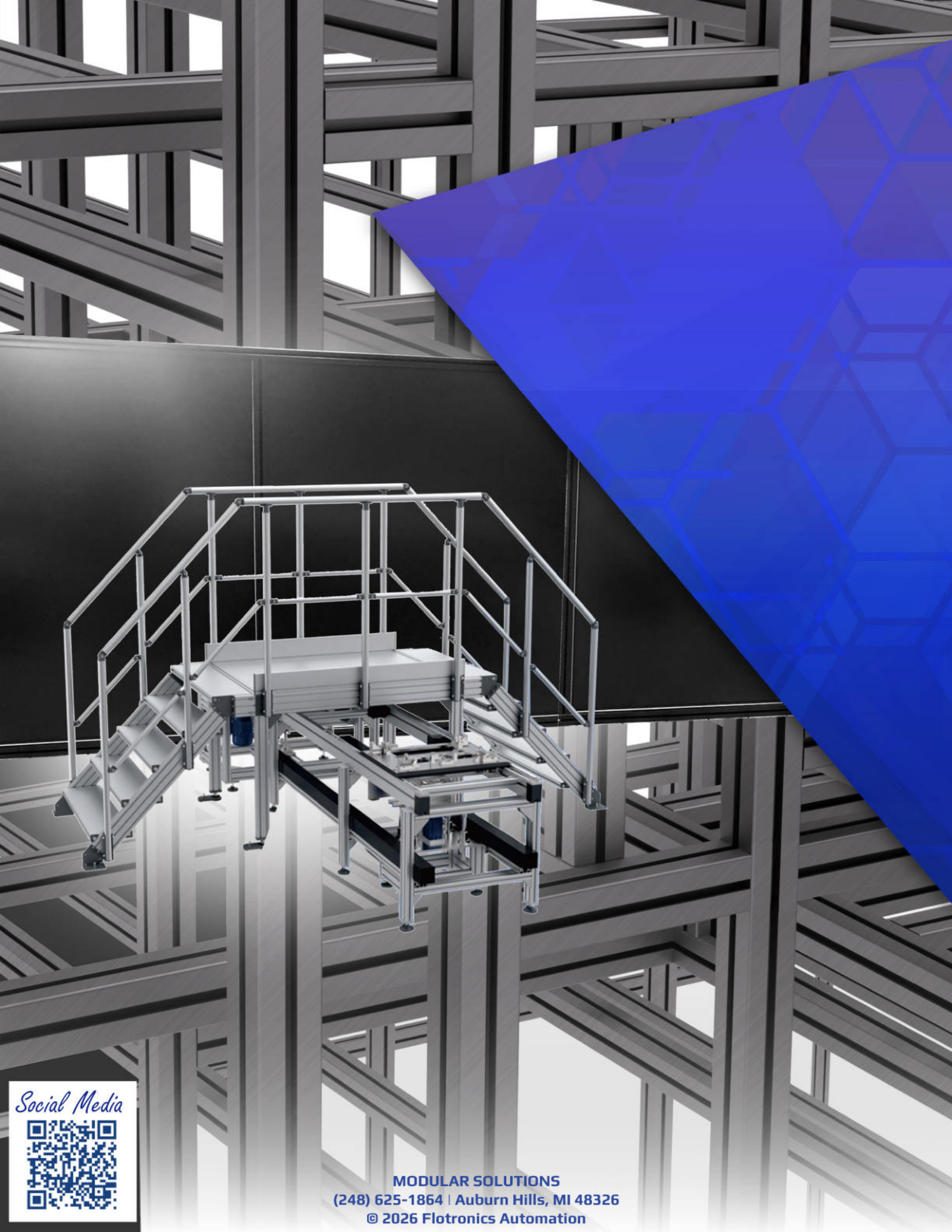
Utilities

- Substation equipment barriers
- Generator enclosures
- Water treatment system guards
- Electrical panel protection



Warehouse & Logistics

- Automated conveyor guarding
- Robotic palletizer enclosures
- Forklift traffic barriers
- Mezzanine safety railing



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