



Helping You Turn Prints Into Parts



CUSTOM ALUMINUM EXTRUSION MACHINING

WELDING | PRECISION CUTTING | FINISHING

PROVIDING COMPLETE PROJECT MANAGEMENT

FAB MASTERS COMPANY began in 1984 with one milling machine in a single car garage. Since that time, we have grown steadily into a full service parts supplier of custom fabricated aluminum extrusions. With over 100,000 square feet and 100 + employees, we are one of the premier machining service providers in the Midwest, for the extrusion industry. **ISO 9001/2008 CERTIFIED**, with a network of suppliers committed to quality, we provide complete supply chain management, services from design assistance and validation of manufacturability, extrusion acquisition to completed parts delivered to your door.

- Medical/Dental
- Appliance
- Military
- Telecommunications
- Alternative Energy
- Heavy Transportation
- Precision Hardware & Fasteners
- Construction Industry



ALUMINUM CUTTING



Four twin-head CNC production saws – very versatile in processing high volume and specialty cuts. Our smaller manual saws are highly advantageous for specialty angles, more flexible on materials and specialty parts. The automatic B & O Bundle Cut saw processes bundled material at precision tolerances (+/- .005”) with a cut window of up to 12”x36” and a 36” blade. This saw can cut, be loaded and unloaded simultaneously.

OTHER FAB MASTERS OPERATIONS & SERVICES

- Knee milling
- Plate machining
- Multiple spindle drilling
- Lead screw tapping
- De-burring: Vibratory, Abtex & Hand
- Light assembly & fulfillment
- Punch Presses
- Two OBI presses to 100 ton
- Two straight side presses to 115 ton
- Two brake presses to 75 ton
- Extrusions available from miniature to 17” circle size in 6000 series alloys
- Anodizing including organic, electrolytic and hard coat
- Powder Coating
- Wet Painting
- Other finishes upon request

MACHINING CAPABILITIES

Machining of aluminum extrusions is a Fab Masters specialty. We operate nineteen vertical and horizontal CNC machining and tapping centers with work cell sizes to 150"X, 80"Y, 35"Z, including 4th axis and digital probing. CNC spindle speeds to 16,000 RPM and position speeds to 1500/ipm. 90% of Fab Masters' fabrication fixtures are built by our in-house tooling department. Our large part capabilities are extended by three CNC routers with table sizes up to 27"X, 5"Y, 19"Z.



WELDING AT FAB MASTERS



AWARDED FOR A WELDING PROGRAM THAT HAS GONE BEYOND THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY AND THE U.S. DEPARTMENT OF DEFENSE.

Fab Masters provides a wide variety of certified welding services. All production welding is to customer or military specifications, in aluminum or steel. Equipped with the latest manual and robotic MIG and TIG equipment, our modern 31,000 square foot weld shop is the largest aluminum production welding shop in Southwestern Michigan. We are prepared to meet the demands of today's manufacturing environments.

WELDING TRAINING



Fab Masters operates a proprietary in-house welding school, the Welding Technology Education Center, Inc. (WTEC, Inc). Which, since 2009 has provided industry-level intensive hands-on training, preparing workers to excel in the welding industry and attain American Welding Society certification status.

The WTEC, Inc. welding school is a proud holder of an Educational Institution Membership with the AWS.



American Welding Society

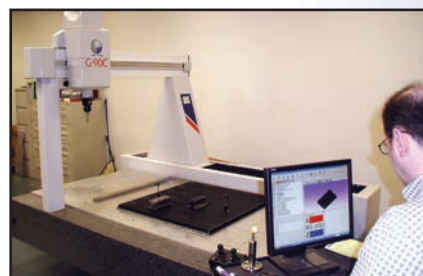
Educational Institution Member

www.aluminum-welding-school.com

CMM QUALITY ASSURANCE



Quality control is maintained by our in-house lab to ISO 9001:2008 certification standards. Inspections are performed on incoming extrusions, 1st piece and in-process parts, via Micro-Vu (Video Optical Comparator) various gauges and calipers. Reverse engineering, calibrations, close tolerance inspections and automated inspections are carried out on coordinate measuring machines.



CUSTOMER SATISFACTION

“**Extruded Aluminum** feels that Fab Masters Co. is a value to us because of their ability to handle a wide array of fabrication needs. We see it as *one-stop-shopping* and this eliminates costs due to less freight. Fab Masters Co. is also always up for a challenge and willing to look at new technology to do jobs more cost effectively. Overall, Fab Masters Co. represents a huge value to us and we’re proud to have worked with them as long as we have.”

Mr. Todd Myers, Vice President of Sales
Extruded Aluminum Corp.
Belding, Michigan
*Extruded Aluminum
has been a customer
of FMC since 1995.*



“We’ve been working with Fab Masters since 1998. In this day of no allegiance to suppliers or customers, we are glad to say that the ‘Fabs’ has continued to provide great service and quality work. Our products come to us shipped with care. The personnel are always helpful, we get answers to our questions, and overall... it’s a great company to work with.”

Linda M. Jones, Merchandise Buyer
Nancy Johnson, Warehouse Supervisor
Woodsmith Store/
August Home Publishing
Clive, Iowa



“It is a pleasure working with FAB Masters on my parts. They are easy to deal with and are very quick to respond to increased demands as well as engineering changes. Their pricing is fair compared with other suppliers in the same industry.”

Dave W. Ropell, Senior Buyer
Biodex Medical Systems
Shirley, New York

“Fab Masters has established itself as a very reliable, loyal, cooperative and supportive customer. They are the type of company who help to make everyone associated with them more successful. In providing mechanical finishing and anodizing service, Charlotte Anodizing Products considers it a privilege to be included in and associated with their supplier network.”

Mr. Ron McDiarmid, President,
Charlotte Anodizing Products, Inc.



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EQUIPPED TO BE YOUR PRINT TO PRODUCT PARTNER

DESIGN ASSISTANCE

When the need for process development, project design assistance, problem solving solutions, and validation to ensure quality and manufacturability arise, you can count on Fab Masters Company to help ease your difficulties. Your parts will be produced to your specification, with complete supply chain management, in a single-source facility.

3D RAPID PROTOTYPING

Fab Masters is now offering Fused Deposition Modeling (FDM), via our new Dimension 3D printer. Rapid prototyping offers low cost for short runs since no tooling is required. Rapid Prototyping allows engineers, designers, managers and end users to check designs for usability, appearance, manufacturability, form, fit, function, etc., prior to committing to conventional manufacturing. Rapid Prototyping speeds the design cycle.



CONTRACT MANUFACTURING & FULFILLMENT

An innovative and creative product cannot enter today's global marketplace without a manufacturing partner. We provide you with a partnership capable of implementing efficient and consistent processes throughout the product development and manufacturing cycle. Custom manufacturing is the cornerstone of our business, our fabrication processes are geared toward your needs.

- Custom metal fabrication
- Experienced manufacturer of UL approved parts
- Assembly
- Private labeling
- Fulfillment
- Just-in-time delivery

TELEFLIGHT STAIR SYSTEMS

In 2011 Fab Masters started collaboration with Richard Walston, founder and CEO of Walston Stairbuilders in Guilford, CT., to manufacture an innovative new temporary stair system that would help minimize accidents on construction sites. For over a year we worked very closely with Teleflight Stair Systems helping to bring their new product to the marketplace. Together we worked at honing the design, testing the components for fit and function; we even performed the UL testing in our facility to make sure it would surpass load & safety standards. The Teleflight system is built to code and carries the UL certification.

www.teleflightstair.com

PRIVATE LABEL MANUFACTURING

Enjoy the freedom and peace of mind that comes with knowing that your product is being manufactured and distributed in one facility, on your time schedule.

The Wood Smith Shop is a long-time and cherished customer of ours. We have been manufacturing and distributing their Box Joint Jig since 1997.

We procure six extrusions for this jig, anodize them, and fabricate five. The extrusions need to interlock together, and slide, that is critical to its function. The customer supplies some of the hardware, a wooden board, brand name stickers & warning labels, and instructions. The parts are

assembled, placed in the customers' box, ready to use, and shipped to the distribution warehouse.

No suppliers to haggle with, no vendors to pursue, no logistic to manage – we do it all for you, “complete supply chain management.”



THE AMERICAN DREAM – COME TRUE

“I grew up here,” said Troxell “Marcellus needs industry and I’d like to help to get things going.”

Ron Troxell started Fab Masters Company, Inc., in 1984 with a \$1500 tax refund. He purchased a small bench mill, cutting tools and calipers for inspection. After two years of working nights and weekends making parts and putting every penny back into the business to purchase better equipment, Troxell’s single-car garage was full. Today, the company operates seven days a week, is serving customers nationally and in Canada, Mexico, Brazil and the United Kingdom.

Ron got the idea for starting his company while working as a product engineer in Kalamazoo, Michigan. He said, “I felt I could make better-quality parts at a better price”. The turning point for his company came in mid-1986 when Ron, his wife, father and one part-time employee were having trouble keeping up with production demands. “I made the decision to leave the security of steady wages and be responsible for my family’s future on my own,” he says. “At the time it was a very scary decision, but once committed, I’ve never looked back.” An 18-acre parcel of land was purchased 1-½ miles outside his hometown of Marcellus, Michigan and a tan two-story metal building of 2,300 square feet became the home of Fab Masters Company, Inc. Fab Masters now exceeds 100,000 square feet on 23 acres and is still growing.



QUALITY ASSURANCE

ISO 9001/2008 CERTIFIED

Quality is maintained by material certification, incoming inspections, continuous monitoring during the manufacturing process and through final inspections prior to product release for shipping. All inspection tools are certified and traceable to the National Bureau of Standards.

Registered Government
Supplier



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