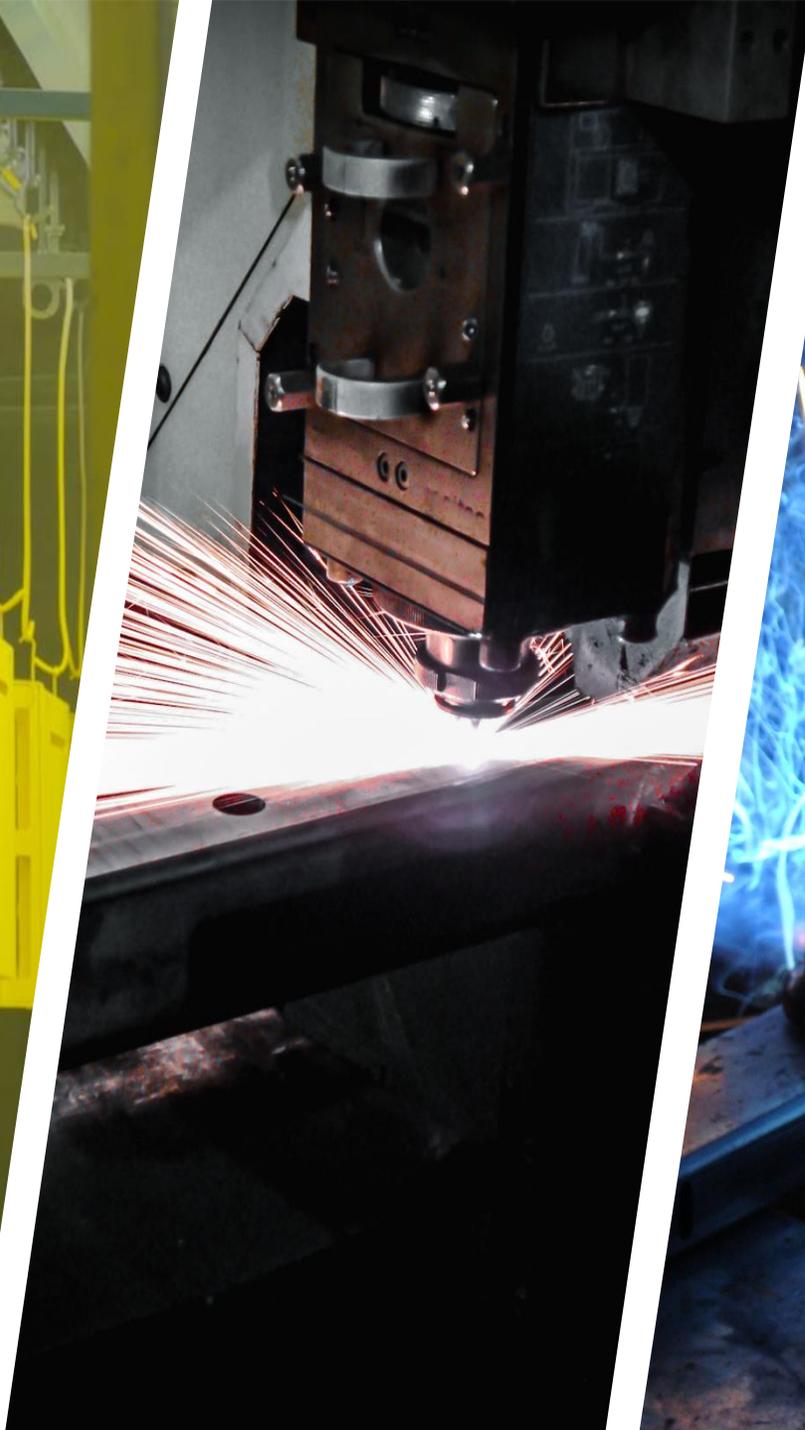




# LIVONIA

## TOOL & LASER

TECHNOLOGY ON THE CUTTING EDGE



### CAPABILITY GUIDE



# OUR MISSION

Our mission is to design, fabricate, and deliver on-time, high-quality, fabrication, stamping, and laser-cut product through innovation, sustainability, and communication.

# INDUSTRIES WE SERVE

- ✓ Material Handling
- ✓ Department of Defense
- ✓ U.S. Postal Service
- ✓ Appliance
- ✓ Automotive
- ✓ Construction
- ✓ Railroad
- ✓ Tires
- ✓ Retail
- ✓ Food & Agriculture
- ✓ Decking & Siding
- ✓ Paper & Film

# WHO WE ARE

Proud of his humble beginnings, Irv Harris opened Livonia Tool & Laser in 1943. Irv Harris got his start in the manufacturing industry by producing Harris Trailers. These were custom-built coaches advertised as “The Post-War Trailers at a Pre-War Price”. Operations started in the garage behind his house in Livonia, MI, a Detroit suburb, but moved to rural Litchfield, MI in the 1970’s after out-growing available space and the neighbors tolerance for noise. The LTL fabrication journey began in Litchfield, where we became the leading provider of stacking caps and targets, laser cutting services & fabricated material handling containers.



# CERTIFICATIONS

- Certified Veteran Owned
- ISO 9001-2015 Certified
- AWS Certified Welders
- ITAR Compliant
- Made in the USA



## WHAT'S INSIDE

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# HOW WE DO IT



## 1. Customer Service

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Our customer service representatives are available Monday - Friday from 8:00 am - 5:00 pm EST. Our sales representatives have over 80 years combined experience and can provide you with practical solutions to your material handling, laser, and stamping needs. Our customer is our priority and we promise to treat you as part of our Livonia Tool & Laser family.

## 2. Innovative Engineering

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The Livonia Tool & Laser team is made up of people who love to figure things out. We follow a proven design and development process that has been certified to the ISO 9001:2015 standard. Our engineers are professionals with CAD, Solidworks, and Translator, ensuring that we develop the right solution for you. Whether you have a simple fix, complex need, or custom solution, Livonia Tool & Laser has tools, knowledge, and expertise for your material storage and handling needs.

## 3. Manufacturing

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We follow the Lean Manufacturing methodology, allowing us to eliminate waste from our manufacturing processes and improving efficiency, effectiveness, and profitability. Our manufacturing method includes utilizing production lines, cellular outputs, and even automation and manual lines to ensure that we are able to move as quickly as possible to get your products out of the door and delivered to you in a timely manner.

## 4. Process Improvement

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We've embraced the Kaizen philosophy of continuous improvement and make sure that we include all of our employees in our improvement activities so that we can tap into their talents. We utilize Traction as our EOS management platform. Our commitment to specific methodologies is a big reason why we've been successful in building a powerful company culture. We are dedicated to improving responsiveness to our clients, our agile approach to projects allows us to be proactive and collaborative with our customers. Our team adapts to their projects, making them flexible and versatile.

# OUR TECHNOLOGY



HSG Fiber Tube Laser (up to 14" cut)  
BLM LT8 Fiber Tube Laser (up to 8" cut)  
BLM LT7 Fiber Tube Laser (up to 6" cut)  
BLM EVO Fiber Tube Laser (up to 6" cut)  
Amada 9KW ENSIS 3015 Fiber Laser  
w/storage tower & TK3015L Automated Parts Sorter  
Mitsubishi 4kW 3 Axis Laser Cutting Machine  
Amada HRB 1003 Press Brake w/Automated Tool Changer  
Amada HRB 2204 Press Brake  
Accupress 3-Axis Hydraulic Press Brakes  
BLM CNC Electric Tube Bender  
BLM CNC E-FLEX-DX2 wire Bender (1/2" Wire Max)  
BLM TS72 Automatic Cold Saw  
AMADA Horizontal Band Saw  
TSUNE CNC Horizontal Circular Saw  
Tumble Barrel Finishing Machine  
Williams Bridge Crane  
AIDA Model NC1-220 Frame Press  
Verson Model SE 2-500-84-48 Side Press  
(4) AIDA Model NC1-165 Frame Press  
(2) AIDA Model NC1-121 Frame Press  
(3) AIDA Model NC1-88 Frame Press  
(2) CMC Clearing 400 Ton 2 Point Straight Side Press  
(4) Single FANUC Robotic Turn Table Cells  
(2) Robotic Arm Quad Cells (Four Point Weld Station)  
(2) Dual Station Robotic Welding Cells  
(2) Nachi 6 Axis Robotic MIG Welders  
Fronius Dual Robot Turn Table Trundle Cell  
Material Handling Cell (1 Material Handler,  
2 Welding Robots)  
(34) Miller/Lincoln/ESAB Welding Units  
Hypertherm Automated Plasma Table  
Dual Robot Table Cell  
(2) RoboVent Air Filtration System  
FADAL Vertical Machining Center  
Hyundai-Kia CNC Vertical Machining Center  
ROMER Portable CMM

*From concept to completion, no job is too big. 5*

# MANUFACTURING CAPABILITIES



## WE DO IT ALL - THAT'S THE DIFFERENCE

Our state-of-the-art facilities, boasting over 200,000 sq. ft. combined, allow us to provide a variety of services to our customers. We specialize in custom fabrication, flatbed laser cutting, tube laser cutting, tube bending, wire bending, steel stampings, and powder coating capabilities.



## WE'RE CERTIFIED

We've built our reputation with uncompromising quality and customer service. Our customers are our greatest asset, and our certifications offer our customers peace of mind. Here at Livonia Tool & Laser, you can trust that you're dealing with certified professionals

When it comes to custom stampings, prototypes, whatever your application or production needs from one to millions, our team will work with you to design, develop, test, and manufacture your specific parts.



# FABRICATION

Our technology reduces your fixture costs and supports quick turnaround times. Discover why we are the supplier of choice for the material handling industry.

Multiple  
robotic weld  
cells

In-house  
design &  
engineering  
staff

80+ years  
manufacturing  
experience

178,000 sq. ft.  
fabrication  
facility

AWS Certified  
welding  
specialists



# LASER CUTTING

Years of laser cutting expertise ensures your laser cutting expectations are exceeded.

50,000 sq. ft.  
laser cutting  
facility

State-of-the-  
art  
flatbed lasers

Automated  
material  
storage tower

Cutting capability of  
up to  
6'x12'x1" mild steel

Other materials  
include: stainless steel  
and aluminum

# TUBE BENDING

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*BLM Adige 19 Axis  
Servo Bender*

*Accuracy & reliability*

*High-volume  
production*

*Unprecedented  
repeatability*

*3" 11 Gauge max  
wall thickness*

We understand the importance of high accuracy products and are accustomed to the demand for highly reliable products. Our in-house CNC Tube Bending machine and staff can adapt to the size of any project.



# TUBE LASERS

*Cutting capabilities:*

*9" round tube diameter (OD)*

*8" square tube diameter (OD)*

*11" diagonal on rectangular tubes*

*1/2" wall thickness*



Our 50,000 sq. ft. laser cutting facility houses our BLM LT8 , LT 7 & EVO Fiber Lasers. These lasers are capable of handling round tubes, square and rectangle tubes, open profiles and special sections, allowing us to expand our laser cutting capabilities.

# POWDER COATING

*900 ft. conveyor with  
5- stage wash cycle*

*Structures up to  
7'6" x 7'9" x 16'*

*Parker Ionics  
powder application  
system*

*Weather proof,  
chipping, scratching,  
and fade resistant*

*Featuring Powdura ECO  
from Sherwin-Williams,  
durable coatings made  
from recycled plastics*

Our powder coating conveyor station stretches to 900 ft. and includes a five stage wash cycle. The station includes a 20,000 CFM vacuum system that eliminates the worry of cross contamination between colors.



# STAMPING

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*Bed sizes up to 84"*

*Deep draw  
stamping  
capabilities*

*13 presses up  
to 500 ton*

*Custom  
part  
prototyping*

*70 years of  
stamping experience*

As an expert in the steel stamping field, our stamping facility has a dedicated 15,000 sq. ft. space for deep draw stamping and an in-house tool room. We specialize in stacking caps, targets and custom prototype stampings.



# INDUSTRIES WE SERVE

Our customers rely on us to deliver high quality parts when we promise them. With competitive pricing and materials that are sourced and manufactured in the USA, we set ourselves apart from the competition.

The vast knowledge that our team possesses allows us to serve a variety of industries, including:

*Appliance* \_\_\_\_\_

*Automotive* \_\_\_\_\_

*Construction* \_\_\_\_\_

*Decking & Siding* \_\_\_\_\_

*Department of Defense* \_\_\_\_\_

*Food & Agriculture* \_\_\_\_\_

\_\_\_\_\_ *Material Handling*

\_\_\_\_\_ *Paper & Film*

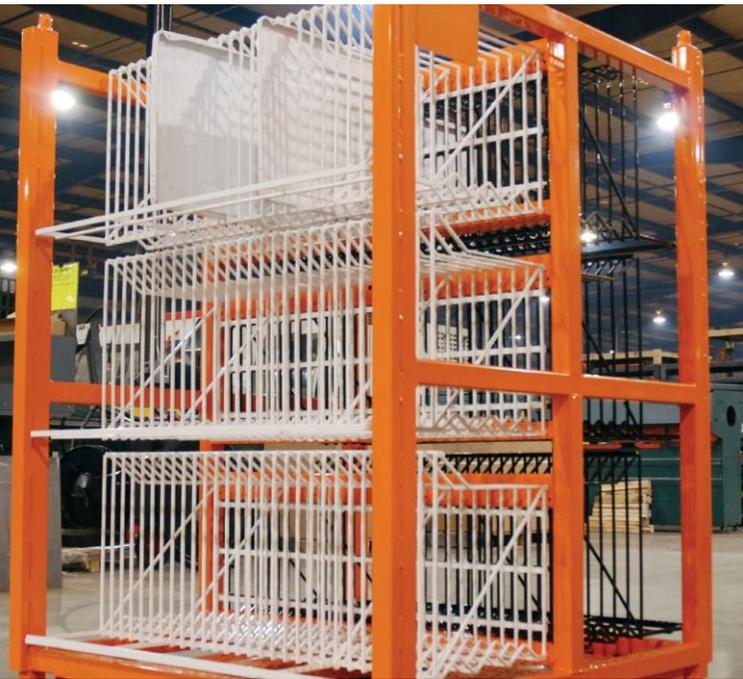
\_\_\_\_\_ *Railroad*

\_\_\_\_\_ *Retail*

\_\_\_\_\_ *Tires*

\_\_\_\_\_ *U.S. Postal Service*

We can accommodate any size project, all while making you feel heard and valued as a customer. Sales, estimating, and engineering departments are all in-house, allowing for collaborative and concise proposals.



# CONTACT US

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Livonia Tool & Laser



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PROUDLY MADE IN THE USA

