

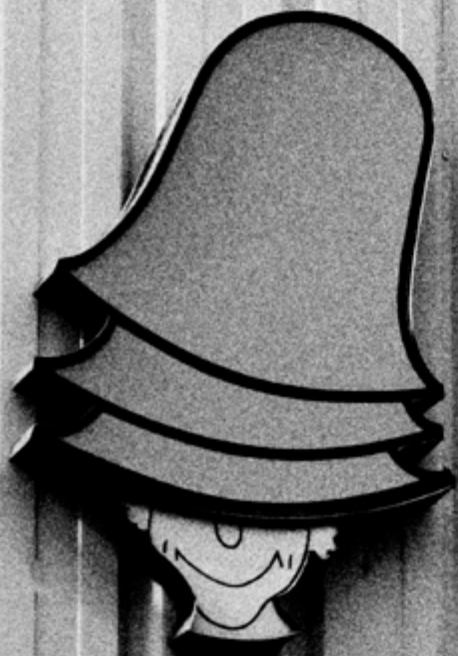
FABRICATION | LASER CUTTING | TUBE LASER | TUBE BENDING | STAMPING | POWDER COATING



*CAPABILITY GUIDE*

LIVONIA

TOOL & LASER



## 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, custom-built coaches that were advertised as "The Post-War Trailer at a Pre-War Price". Operations took place in the garage behind his house in Livonia, MI, a Detroit suburb, but moved to rural Litchfield, MI in the 1970's due to complaints from the city of Livonia because of the extreme industrial noise. Our fabrication journey began in Litchfield, where we became the leading provider of stacking caps and targets.

Our mission is to design, fabricate, and deliver on-time, high quality fabrication, stamping, and laser cut products through innovation, sustainability, and communication. From concept to completion, no job is too big.



# WHAT'S INSIDE

WE'RE CERTIFIED.....	3
WHAT WE DO.....	4
INDUSTRIES WE SERVE.....	5
OUR TECHNOLOGY.....	6
MANUFACTURING CAPABILITIES...	7-14
OUR WORK.....	15-17
CONTACT US.....	18

onnia Tool

# HOW WE DO IT

## 1. Customer Service

---

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

---

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

---

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

---

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.

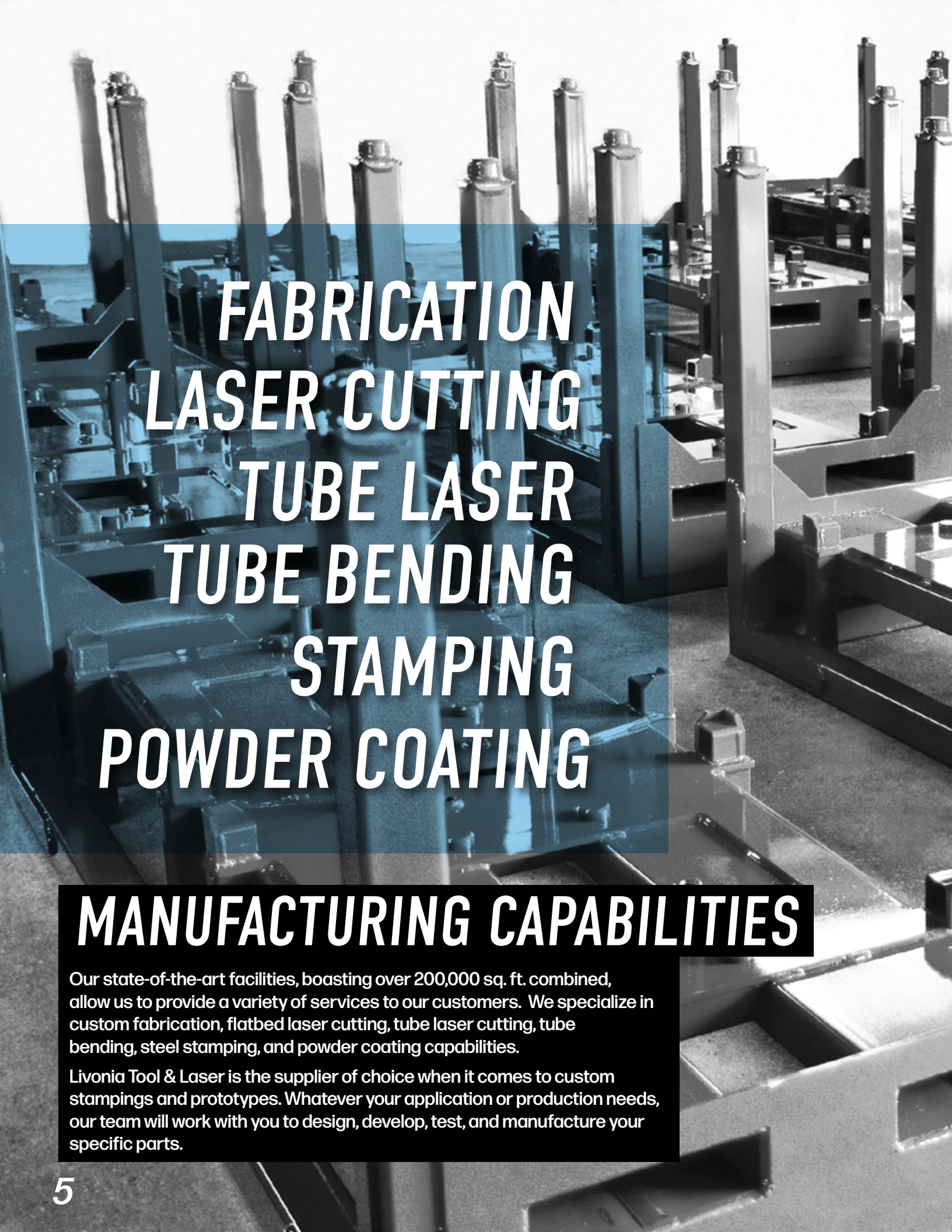


# OUR TECHNOLOGY

FADAL Vertical Machining Center  
Hyundai-Kia CNC Vertical Machining Center  
Mitsubishi CNC Wire EDM  
2 x Accurpress 3-Axis Hydraulic Press Brakes  
Trumpf TruBend Center 7030  
TSUNE CNC Horizontal Circular Saw  
HE&M Horizontal Band Saw  
Tumbler Barrel Finishing Machine  
Williams Bridge Crane  
Virtek LaserQC  
ROMER Portable CMM  
AIDA Model NC1-220 Frame Press  
4 x AIDA Model NC1-165 Frame Press  
2 x AIDA Model NC1-121 Frame Press  
3 x AIDA Model NC1-88 Frame Press  
2 x CMC Clearing 400 Ton 2 Point Straight Side Press  
Version Model SE 2-500-84-48 Side Press  
BLM LT7 Fiber Laser  
BLM Adige CNC Tube Laser  
Mitsubishi 4kW3 Axis Laser Cutting Machine  
4 x Turn Table Single FANUC Robot Cell  
Material Handling Cell (1 Material Handler, 2 MIG Welding Robots)  
2 x Dual Station Robotic Welding Cells  
2 x Quad Cells (Four Arm Robotic Weld Stations)  
2 x Nachi 6 Axis Robotic MIG Welders  
2 x RoboVent Air Filtration System  
Fronius Dual Robot Turn Table Trundle Cell  
34 Miller/Lincoln Welding Units  
Hypertherm Automated Plasma Table  
Dual Robot Table Cell  
AMADA HRB 1003 w/ Automated Tool Changer  
BLM TS72 Saw

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



A black and white photograph of industrial machinery, likely a laser cutting or bending machine, with several vertical columns and complex mechanical components. A semi-transparent blue rectangle is overlaid on the left side of the image, containing the text.

**FABRICATION  
LASER CUTTING  
TUBE LASER  
TUBE BENDING  
STAMPING  
POWDER COATING**

## **MANUFACTURING CAPABILITIES**

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, steel stamping, and powder coating capabilities.

Livonia Tool & Laser is the supplier of choice when it comes to custom stampings and prototypes. Whatever your application or production needs, our team will work with you to design, develop, test, and manufacture your specific parts.





# **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. Our certifications include:

**ISO 9001-2015 Certified**

**AWS Certified Welders**

**100% Veteran Owned Small Business**

**ITAR Compliant**

**Made in the USA**

***We do it all,  
that's the difference.***

# FABRICATION

**AWS Certified  
welding specialists**

**178,000 sq. ft.  
fabrication facility**

**In-house design &  
engineering staff**

**75+ years  
manufacturing  
experience**

**Multiple  
robotic weld  
cells**

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







# **LASER CUTTING**

***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***

Years of laser cutting  
expertise ensure that your  
laser cutting expectations  
are exceeded.

# TUBE LASER

## *Cutting capabilities:*

*6" round tube  
diameter (OD)*

*6" square tube  
diameter (OD)*

*8.5" diagonal on  
rectangular tubes*

*1/2" wall thickness*

Our 50,000 sq. ft. laser cutting facility houses our BLM LT7 Fiber Laser and an Adige Tube Laser. 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.







# **TUBE BENDING**

---

*Accuracy & reliability*

*High-volume  
production*

*Unprecedented  
repeatability*

*3" 11 Gauge max  
wall thickness*

*BLM Adige 19  
Axis Servo Bender*

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.

# STAMPING

*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.







# POWDER COATING

---

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

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

*Gema dual-spray  
powder application  
system*

*Weather proof, and  
chipping, scratching  
and fading 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.

# 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.



# OUR WORK

From concept to completion, no job is too big.



# CONTACT US

---



[www.livoniatool.com](http://www.livoniatool.com)



[sales@livoniatool.com](mailto:sales@livoniatool.com)



(888) 875-0833



517-542-2472



Livonia Tool & Laser



Livonia Tool & Laser



@LivoniaTool



936 Anderson Rd.  
Litchfield, Michigan 49252

***PROUDLY MADE IN THE USA***



**LIVONIA**  
TOOL & LASER