



Warren Industrial Welding Co., Inc.

OVER 60 YEARS OF INDUSTRIAL WELDING EXPERTISE

Tool & Die Welding Specialists

100% Repeat Customers

CALL NOW

REQUEST A QUOTE

HOME WELDING SERVICES & PROCESSES CAPABILITIES DEFENSE, MILITARY & AEROSPACE INDUSTRIES SERVED CITIES SERVED ABOUT PORTFOLIO CONTACT



## CORE CAPABILITIES

Warren Industrial Welding provides specialty, MIG/TIG/ARC/STICK Welding, Tool, Die and Mold repair, Silver Soldering(Silver Brazing), Lead Soldering, Flame Hardening, Brazing, Weldments, Fixture Assemblies and Industrial Support Welding Services for manufacturers who require accuracy, reliability, and fast response. Our capabilities support repair, maintenance, engineering changes, emergency repairs, short-run production and specialty projects across complex industrial environments.

[Download Capabilities PDF](#)



## WELDING PROCESSES

We offer proven welding processes to match material, application, and performance requirements:

### TIG Welding (GTAW/ Gas Tungsten Arc Welding)

TIG welding provides precise control and is ideal for thin materials and tight-tolerance applications. It produces clean, high-quality welds commonly used for tooling, molds, and specialty components.

### MIG Welding (GMAW/Gas Metal Arc Welding)

MIG welding is a versatile process suited for structural repairs, fabrication, and production-support work. It offers strong, efficient welds for a wide range of industrial materials and applications.

### Arc Welding (SMAW / Shielded Metal Arc Welding)

Arc welding is used for heavy industrial repairs, structural components, and equipment restoration. It delivers reliable penetration and strength for demanding repair environments.

### Stick Welding (SMAW)

Stick welding is a durable process commonly used for heavy-duty repairs and industrial maintenance work. It performs well on thicker materials and in challenging shop or field conditions.

### Brazing

Brazing joins metals using controlled heat and filler material without melting the base metals. It is often used for repairing tooling, carbide components, and specialized assemblies.

### Silver Soldering (Silver Brazing)

Silver soldering provides strong, precise joints for tooling and specialty components. It is commonly used when accuracy, minimal heat distortion, and clean bonding are required.

### Lead Soldering

Lead soldering is used for low-temperature bonding and specialized industrial applications. It allows

joining without damaging sensitive components or materials.

## Flame Hardening

Flame hardening increases surface hardness and wear resistance on tools and machine components. This process extends service life while maintaining the strength of the base material.

## INDUSTRIES SUPPORTED

Warren Industrial Welding proudly supports clients across multiple sectors that demand accuracy, durability and fast response times:

- Tool & Die Shops
- Automotive Manufacturing
- Aerospace & Air Force Contractors
- Defense & Government - Cage Code 5FUPO
- Manufacturing
- Molds & Injection Tooling
- Commercial
- Automation & Robotics
- Engineering & Prototype Development
- Industrial Manufacturing
- Machine Repair Shops
- Maintenance & Repair Operations (MRO)
- Metal Forming
- Plastic Injection Manufacturing
- Die Cast & Stamping Facilities
- Energy, Power Generations, and Utilities
- Production Plants
- Tier 1, Tier 2 and Tier 3 Companies

From local machine shops to national defense contractors, we are trusted to deliver precision welding dependable repairs and exceptional service — every time.



From local machine shops to national defense contractors, we are trusted to deliver precision welding dependable repairs and exceptional service — every time.

## TOOLING, REPAIR & SPECIALTY WORK

- Tools
- Dies
- Molds
- Patterns
- Bases
- Extrusion Dies
- Forging Dies
- Cast Iron Dies
- Trim Dies
- Arms
- Bases
- Brackets
- Fixtures
- Castings
- Punches
- Press Rams
- Shafts
- Broaches
- Weldments
- Prototypes
- Development Work
- Engineering changes
- Modifications
- Assembly welding
- Short-run productions
- Kirksite Dies
- Machine Components
- Specialty Production
- Maintenance Repair
- Details
- Sections
- Specialty Tooling Keys
- Plates
- Plastic Injections Molds

Our work helps extend tool life, restore damaged components, and support engineering updates without unnecessary replacement costs.

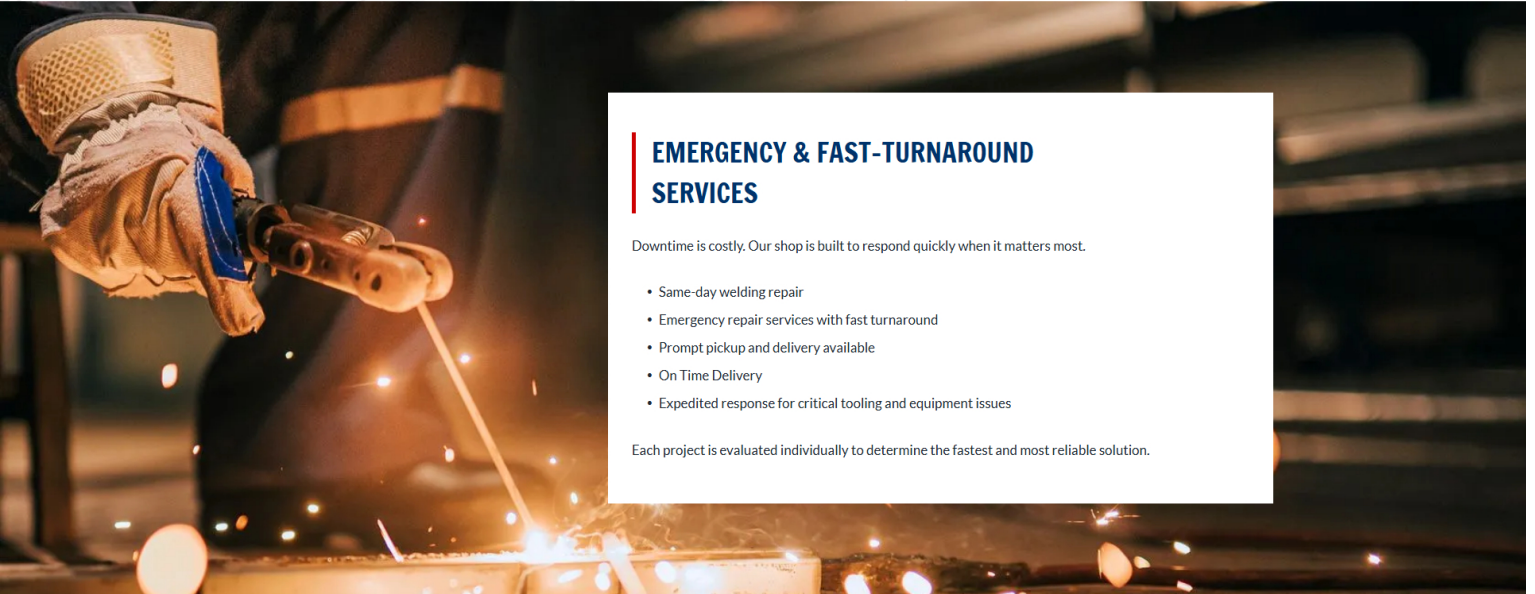


[Download Capabilities PDF](#)



## FABRICATION & ASSEMBLY

- Custom fabrication and assembly
- Fit and Weld fixture and assembly
- Frames and Enclosures
- Aluminum Fabrication and Repair
- Fixtures
- Component repair and reinforcement
- Structural and industrial support welding
- Precision build-up and restoration
- Custom brackets, arms, and machine parts



## EMERGENCY & FAST-TURNAROUND SERVICES

Downtime is costly. Our shop is built to respond quickly when it matters most.

- Same-day welding repair
- Emergency repair services with fast turnaround
- Prompt pickup and delivery available
- On Time Delivery
- Expedited response for critical tooling and equipment issues

Each project is evaluated individually to determine the fastest and most reliable solution.



## MATERIALS WELDED

We weld a wide range of ferrous and non-ferrous materials used in tooling, manufacturing, and complex industrial applications.

Common Materials include:

• Aluminum

• Kirksite

- Aircraft
- AMPCO
- Brass
- Carbon Steel
- Carbide
- Copper
- Cast Iron
- Cast Steel
- Hot Roll Steel

- Magnesium
- Mild Steel
- Stainless Steel
- Stellite
- Titanium
- Specialty Alloys
- Hastelloy
- White Steel
- Inconel

## TOOL STEELS & GRADES

We regularly weld and repair all tool steels and hardened alloys, including:

Flame hardening is commonly used for:

- A2
- D2
- D17.1
- H13
- P20
- S7
- 4130
- 4140
- 6150
- High-Speed Steel
- All Tool Steels

Additional grades available upon request.

Our goal is to exceed customer expectations, meet demanding schedules, perform work to Quality Manuals and customer specifications, along with supplying superior-quality welding and repair services that keep your operations running strong.



## WHAT SETS WARREN INDUSTRIAL WELDING APART

- Over 60 years of experience
- Specialty-focused – not high-volume production
- Certified journeyman tool & die welders
- Flexible support for emergency, short-run production and complex work
- Engineering changes
- Trusted by aerospace, defense, automotive, and industrial manufacturers
- Lockheed Martin Approved
- General Dynamics Approved
- Cage Code: 5FUPO



### Ready to Get Started?

Call 586-756-0230 - Pick up and delivery

Email: [contact@warrenindustrialwelding.com](mailto:contact@warrenindustrialwelding.com)

Warren Industrial Welding Co Inc

24275 Hoover Rd

Warren Mi 48089

HOME

WELDING SERVICES & PROCESSES ▾

CAPABILITIES

DEFENSE, MILITARY & AEROSPACE

INDUSTRIES SERVED

CITIES SERVED

ABOUT

PORTFOLIO

CONTACT

Warren Industrial Welding Co Inc

**CONTACT US**

ADDRESS: 24275 Hoover Rd, Warren, MI 48089

PHONE: 586-756-0230 / 586-756-0231

EMAIL: [contact@warrenindustrialwelding.com](mailto:contact@warrenindustrialwelding.com)

Mon - Fri

7:00 am - 5:30 pm

Saturday

7:00 am - 11:00 am

Sunday

Appointment only



Content, including images, displayed on this website is protected by copyright laws. Downloading, republication, retransmission or reproduction of content on this website is strictly prohibited. [Terms of Use](#) | [Privacy Policy](#)