

Precision Tool and Die Welding



Hi-Tech Welding is a one-stop service center for welding and fabrication in Lee's Summit, MO.

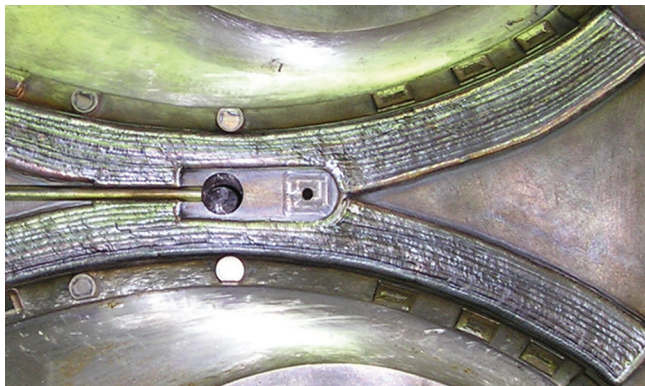
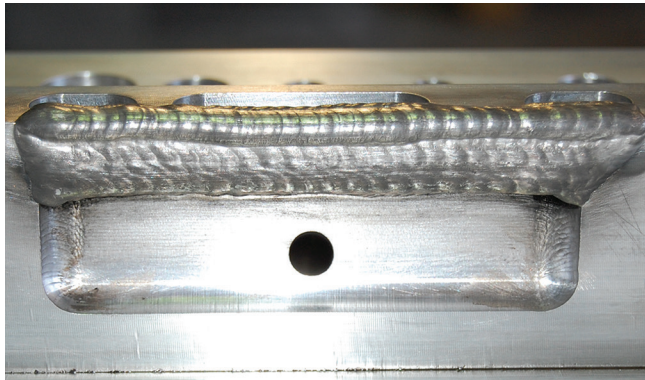
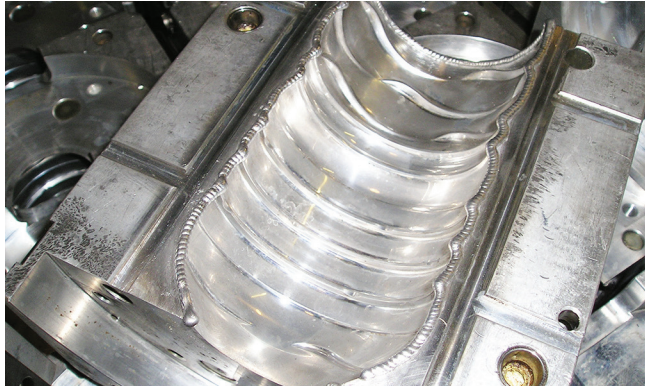
In 1985 Hi-Tech Welding originally began as a tool and die welding facility. Over the years it has grown into a full welding and fabrication shop.

Services offered

- Laser Welding
- Tool and Die Welding
- Waterjet Cutting
- Welding Repair
- Repair and Refurbishment

We are equipped with the newest technology in tungsten inert gas welding machines, a micro-welding unit, as well as three new state-of-the-art laser welding units.

Hi-Tech Welding appreciates your consideration of our services. We will meet your high standards with quality workmanship and help you keep your schedule with a fast turnaround time. We are committed to excellence and look forward to doing business with you in the future.



We have many years of experience in welding all types of exotic metals on all types of tooling including blow molds, punches, dies, and many other types of tools.

Tool and die repair with gas tungsten arc welding (GTAW or TIG) is a niche specialty critical to the performance of tools, dies, molds and inserts. The TIG process is used because operators can finely control heat input and the amount and location of weld metal deposited. Tool and die welding typically involves building a damaged surface up past its original plane so that it can be machined to its original tolerances.

We carry most tool steel grade rods in sizes down to .005" and can obtain any other rods you may require.

Our Specialties

- Tool and Die Welding
- Laser Welding
- Tig Welding
- Mig Welding

Materials welded

- Stainless Steel
- Mild Steel
- Aluminum
- Exotic Metals
- A2
- D2
- H-13
- S-7
- O-1
- Aluminum Alloys
- Titanium
- Brass
- Bronze
- Copper Alloys



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SPECIALIZING IN TOOL AND DIE WELDING

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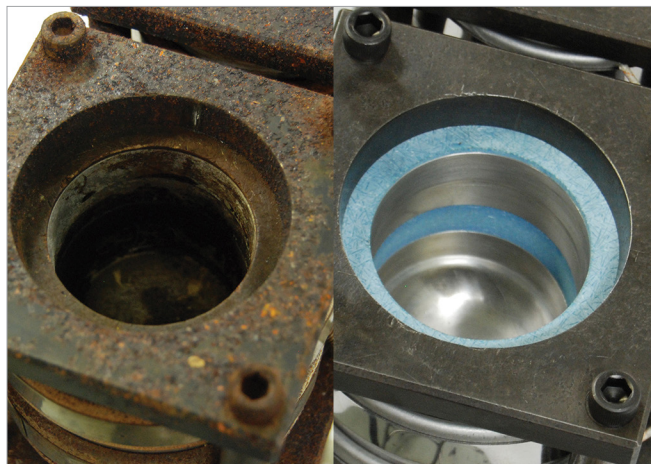
Repair and Refurbishment



R&D/Leverage introduces our comprehensive mold refurbishment and repair program. Whether you need an emergency quick repair, or an extensive review of a family of molds, or a complete repair program overall, we are here to help you. We are centrally located in the United States and offer 24/7 repair services.

R&D/Leverage has a wealth of knowledge and skill for all facets of tooling refurbishment and repair. Our strategy has been to create an environment and work setting that focuses on refurbishment and repair in its own work center. From receipt of tooling to completion, all mold maintenance is completed in-house, resulting in quicker deliveries of your repaired components. We also provide on-site contract evaluations, diagnosis, refurbishing or repair of custom injection, injection stretch blow, preform, injection blow, Sidel, Sipa, extrusion tooling, and hot runner manifolds.

Our toolmakers utilize a variety of processes such as laser welding, CNC milling, CNC turning, and EDM. We clean components in our ultra-sonic tank and heat our hot runners in a manifold oven.



Features and Benefits

- Full time toolmakers with experience in all tool types
- Quick turn around and economical
- Knowledge of the tooling and its requirements
- Turn-key restoration
- 4 and 5 axis CNC equipment
- Thread grinding
- Laser engraving
- Wire and sinker EDM
- Hard milling and hard turning
- Welding: micro and laser
- Reverse Engineering

Refurbishment and Repair

On a wide array of mold and tool types

- Custom Injection
- Injection Stretch Blow
- Preform
- Injection Blow
- Sidel
- Sipa
- Extrusion
- Hot Runner Manifolds



We offer start-up and process support, reverse engineering and prints upon request, supply quality assurance data, and project engineering support.

For additional information, contact:

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R&D/Leverage

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