



Welding & Punching Solutions

Precision Welding and Punching for Strong, Reliable, and High-Performance Metal Assemblies

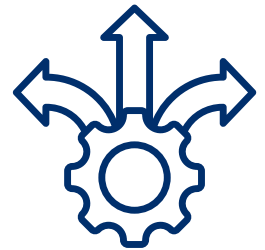


WELDING

At our Tijuana facility, we provide high-quality welding services that deliver structurally sound, cosmetically clean metal assemblies built to meet demanding application requirements.

Durable, Structural Strength

Our welding capabilities ensure permanent, load-bearing joints that meet both structural and aesthetic standards across industries like healthcare, industrial equipment, and enclosures.



Clean, High-Precision Finishing

With skilled welders and advanced equipment, we create consistent, clean welds that support both functional integrity and visual appeal - ideal for exposed or cosmetic applications.



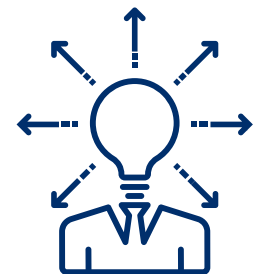
Scalable for Prototypes & Production

Whether you're in early-stage development or large-scale production, our welding processes adapt to your needs - ensuring efficiency and quality at any volume.



Adaptable to Complex Assemblies

We support multi-part assemblies, substructures, and frame welding, offering flexibility to accommodate unique part geometries and build requirements.



KEY PROCESSES

Our welding team in Tijuana is trained and certified to deliver quality work across various metals and applications, ensuring strength, precision, and consistency.

Primary Welding Methods:

- **MIG Welding** - Fast, efficient welding for structural assemblies and medium-thickness materials.
- **TIG Welding** - Precision welding for thin materials, clean seams, and cosmetic finishes.
- **Spot Welding** - Ideal for fastening overlapping sheet metal quickly and securely.
- **Fixture Welding** - Use of jigs and fixtures to ensure repeatable accuracy and alignment during production.

All welding processes are supported by in-process inspection and post-weld finishing when required.

Materials we weld:

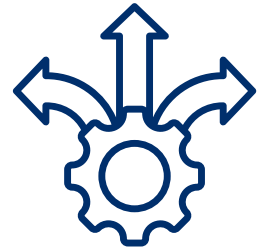
- Aluminum
- Stainless Steel
- Cold-Rolled Steel
- Galvanized Steel

PUNCHING

Our Tijuana facility provides high-speed, high-precision punching services that shape and perforate metal components with accuracy, consistency, and efficiency - supporting everything from prototypes to full-scale production runs.

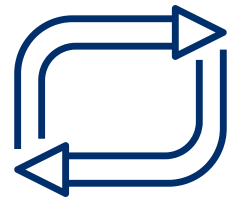
Efficient Hole & Feature Creation

Punching allows for fast, clean creation of holes, slots, and cutouts - ideal for enclosures, brackets, panels, and structural components across various industries.



Consistent Accuracy & Repeatability

Using CNC turret punch presses, we produce tight-tolerance parts with consistent geometry, high repeatability, and minimal material distortion.



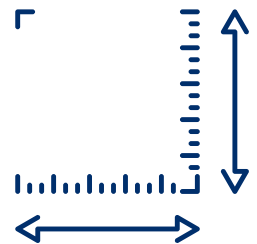
Fast, Cost-Effective Throughput

Our punching process enables rapid production with minimal setup, making it an efficient and cost-effective solution for high-volume projects.



Designed for Complex Geometries

Whether producing ventilation patterns, hardware mounts, or multi-feature panels, our punching services accommodate both standard and custom designs.



KEY PROCESSES

Our advanced punching capabilities in Tijuana are designed to support diverse metal applications with speed and precision.

Primary Punching Capabilities:

- **CNC Turret Punching** - Automated, programmable equipment ensures precision placement of holes, slots, louvers, and forms.
- **Multi-Tool Stations** - Allow for complex part geometries to be produced in a single run without secondary operations.
- **Forming & Embossing Features** - Add functional or decorative features without compromising material integrity.
- **Material Nesting & Optimization** - Maximize yield and reduce scrap through intelligent layout strategies.

Each punched component is manufactured with speed, accuracy, and long-term performance in mind.

Materials we punch:

- Cold-Rolled Steel
- Stainless Steel
- Aluminum
- Galvanized Steel