IRONTRAIL
PRECISION

CAPABILITIES OVERVIEW

MANUFACTURING CAPABILITIES

PRECISION SHEET METAL FABRICATION · TEXAS-BASED · NATIONWIDE SERVICE

Texas-based precision sheet metal fabrication serving customers nationwide: laser cutting, CNC press brake bending, welding, finishing, and assembly for custom components.

QUOTES
quotes@irontrailprecision.com

LOCATION
Salado, Texas

WEBSITE
irontrailprecision.com

Document date: November 2026. Capabilities and feasibility are confirmed for each project during quotation.

1. COMPANY OVERVIEW

IronTrail Precision is a precision sheet metal fabrication company based in Salado, Texas, serving engineers, equipment builders, and industrial customers in Texas and across the United States.

IronTrail Precision provides manufacturing services through its own resources and, where appropriate, qualified external manufacturing partners. Manufacturing services are coordinated based on project specifications, material requirements, and production needs. Each project is managed as one job with one point of contact, from drawing review to delivery.

DRAWING FORMATS	QUANTITIES	BASED IN	SERVICE AREA
PDF, DXF, DWG, STEP, STP	Prototype to production	Salado, Texas	Texas and nationwide

ITEMS AWAITING VERIFICATION

- Equipment specifications (working sizes, thickness ranges, tolerances, equipment models) AWAITING VERIFICATION Verified values will be added to this document when available; until then, feasibility is confirmed for each part during quotation.
- Specific material grades and thickness ranges AWAITING VERIFICATION
- Quality-management and welding certifications NONE CLAIMED State any certification your purchasing requires in your request for review.
- Which services are performed in-house versus with manufacturing partners AWAITING VERIFICATION Confirmed for each project in the quotation.

2. MANUFACTURING SERVICES

Manufacturing capabilities are evaluated based on material, thickness, geometry, quantity, and project requirements. Services marked “Coordinated” are coordinated by IronTrail Precision and produced in-house or through qualified manufacturing partners, depending on project requirements.

FIBER LASER CUTTING

COORDINATED

Profiles, holes, slots, and flat blanks cut from sheet, directly from DXF, DWG, or STEP geometry.

Send with your request: DXF, DWG, or STEP geometry at full scale; material, grade, and thickness; quantity and any critical features or tolerances.

Equipment specifications AWAITING VERIFICATION

CNC PRESS BRAKE BENDING

COORDINATED

Flanges, channels, angles, brackets, and multi-bend parts formed to your model and bend requirements.

Send with your request: 3D STEP model or dimensioned PDF with bend angles and flange lengths; inside bend radius and which dimensions are critical; material, grade, temper, and thickness.

Equipment specifications AWAITING VERIFICATION

SHEET METAL FABRICATION

COORDINATED

Complete custom components and assemblies, from single prototypes to repeat production runs.

Send with your request: Complete drawing package with revision level; quantities, including price breaks; finish, hardware, and inspection requirements.

Equipment specifications AWAITING VERIFICATION

WELDING & ASSEMBLY

COORDINATED

Welded sheet metal assemblies and subassemblies joined to the requirements on your drawing.

Send with your request: Weld symbols or joint requirements on the drawing; any required code, standard, or welder qualification; cosmetic expectations and post-weld finishing.

Equipment specifications AWAITING VERIFICATION

METAL FINISHING

COORDINATED

Deburring and edge finishing, plus coating and plating requirements reviewed for each project.

Send with your request: Finish type, color, and finish specification; masking and cosmetic-surface requirements; any thickness or salt-spray requirements.

Equipment specifications AWAITING VERIFICATION

HARDWARE INSTALLATION

COORDINATED

Self-clinching nuts, studs, and standoffs installed so parts arrive ready to assemble.

Send with your request: Hardware manufacturer part numbers; locations and quantities on the drawing; material and thickness of the sheet.

Equipment specifications AWAITING VERIFICATION

3. MATERIALS

Common sheet materials quoted for custom components. Specify the alloy or grade, temper, and thickness on your drawing. Availability of a specific grade and thickness is confirmed during quotation.

MATERIAL	CHARACTERISTICS	TYPICAL APPLICATIONS
Aluminum	Lightweight and naturally corrosion resistant. Common for enclosures, covers, panels, and brackets where weight matters.	Enclosures, chassis, covers, panels, brackets
Stainless Steel	Corrosion resistant with a clean, durable surface. Common in equipment, process, and semiconductor-related components.	Equipment covers, frames, brackets, sanitary-style panels
Carbon Steel	Strong, cost-effective, and easy to weld. A common choice for structural, industrial, and mounting parts.	Brackets, frames, guards, structural and mounting parts

Specific grades and thickness ranges AWAITING VERIFICATION Other materials can be reviewed on request.

4. PROTOTYPE AND PRODUCTION SERVICES

PROTOTYPES
Single parts and short runs for fit, form, and function testing, with manufacturability feedback before production.

SMALL BATCHES
Pilot builds, spare parts, retrofits, and low-volume equipment.

PRODUCTION
Repeat orders built to the approved revision; volumes, release schedules, and capacity are reviewed with each request.

ASSEMBLIES
Formed parts combined with welding, hardware, and finishing into subassemblies.

5. DRAWING REQUIREMENTS

A complete drawing package speeds up review and leads to a more accurate quotation. Accepted formats: PDF, DXF, DWG, STEP, STP. Online uploads accept up to 10 files, 15 MB each and 30 MB in total; files can also be emailed to quotes@irontrailprecision.com.

- 3D model (STEP or STP) for each part or assembly
- Dimensioned PDF drawing with tolerances, critical dimensions, and notes
- DXF or DWG flat patterns at 1:1 scale, with units stated, for flat or laser-cut parts
- Material, grade, temper, and thickness for every part
- Finish, coating, hardware, and welding callouts
- Revision level, quantities (with price breaks), required date, and shipping destination
- Inspection or documentation requirements, if any

Controlled technical data: Do not upload ITAR-controlled or other export-controlled technical data through this website. If your project involves controlled data, contact us first to discuss requirements.

6. QUOTATION PROCESS

01
REQUEST FOR QUOTE
Send drawings (PDF, DXF, DWG, STEP, STP), materials, quantities, required date, and shipping destination.

02
DRAWING & FEASIBILITY REVIEW
Geometry, tolerances, materials, and finishes are reviewed; questions are raised before quoting.

03
QUOTATION
A written quotation states pricing, lead time, delivery arrangements, and assumptions.

04
ORDER ACCEPTANCE
The order, revision level, and schedule are confirmed in writing.

05
MANUFACTURING
Cutting, forming, joining, hardware, and finishing are coordinated as one project.

06
VERIFICATION & DELIVERY
Critical requirements are checked; parts are packed and shipped or picked up as arranged.

Pricing and manufacturing feasibility are subject to review of the complete request. Lead time is stated in each quotation and confirmed when the order is accepted.

7. QUALITY ASSURANCE APPROACH

Quality is planned around the requirements of each part: drawings are reviewed before quotation, critical dimensions are verified against the drawing, parts are checked after cutting, forming, and joining, and finished parts are inspected before release. Repeat orders are built to the approved revision.

Inspection documentation, such as dimensional results, a certificate of conformance, or material certifications, is provided only when specified in the request and agreed in the quotation. Identify critical-to-function dimensions, cosmetic surfaces, and any supplier quality requirements in your RFQ.

8. SHIPPING COVERAGE

Based in Salado, Texas, IronTrail Precision serves customers across Texas, including Austin, Georgetown, Round Rock, Temple, Belton, Waco, San Antonio, and Dallas–Fort Worth, and accepts quotation requests from customers throughout the United States.

Shipping is arranged for each order: parcel, LTL freight, or dedicated transport depending on part dimensions, weight, destination, and transportation requirements. Shipping is estimated in the quotation or quoted separately; there are no standard shipping rates or guaranteed transit times. Local pickup in Salado can be arranged in advance.

9. CONFIDENTIALITY

Customer drawings are treated as confidential business information and used only to quote and produce the customer's project. Files uploaded through the website are transmitted over HTTPS and stored in private cloud storage with no public links. When part of a project is produced by a qualified manufacturing partner, that partner may receive the drawings relevant to its work. NDA requests are welcome before drawings are shared and are reviewed individually.

10. CONTACT

IRONTRAIL PRECISION

REQUESTS FOR QUOTE
quotes@irontrailprecision.com

GENERAL INQUIRIES
info@irontrailprecision.com

SALES
sales@irontrailprecision.com

LOCATION
Salado, Texas

HOURS
Monday–Friday, 8:00 a.m. – 4:00 p.m. Central

WEBSITE
irontrailprecision.com

This document summarizes services as of November 2026. It is not a quotation or an offer. Capabilities, materials, lead times, and delivery arrangements are confirmed in writing for each project.