

Price of sheet metal processing for cabinets and enclosures



Network Cabinet & Rack

AI Overview

Sheet metal fabrication for cabinets and enclosures typically ranges from \$422 to \$3,018 per project, depending on material, complexity, and labor.

Typical Cost Ranges

- Small or simple projects: \$100–\$500
- Average custom cabinets/enclosures: \$422–\$3,018, with an average around \$1,564
- Large or highly customized projects: Up to \$9,500 or more, especially for complex shapes, finishes, or high-volume production

Factors Affecting Price

- Material Type:** Aluminum, stainless steel, cold-rolled steel, galvanized steel, and specialty metals vary in cost. Thicker gauges or harder-to-work metals increase expenses.
- Labor:** Skilled labor rates range from \$50 to \$130 per hour, depending on the complexity of cutting, bending, welding, and assembly.
- Design Complexity:** Custom shapes, intricate finishes, or additional features like powder coating, CNC machining, or multi-axis milling add to the cost.
- Volume:** Prototype or low-volume production (1–5,000 parts) may have higher per-unit costs, while larger runs benefit from economies of scale.
- Finishing and Assembly:** Powder coating, painting, or full assembly services increase the total project cost.

Services Included

Many fabricators, such as ASM, Openex, and Jet Fabricators, offer full-service solutions including:

- Cutting, forming, bending, and rolling
- Welding (spot or full) and assembly
- CNC machining and multi-axis milling
- Quality inspection and testing
- Coating, powder coating, or painting

How to Get Accurate Pricing

Request a quote: Provide detailed specifications including dimensions, material type, thickness, finish, and quantity.

Use cost calculators: Tools like Xometry's sheet metal fabrication calculator can estimate costs based on material, labor, and production methods.

Consider design optimization: Uniform thickness and simplified designs can reduce fabrication costs.

By understanding these factors, you can plan your budget effectively and sell...

Article Content

Custom Sheet Metal Pricing: Factors & Cost Breakdown

Learn how material, process, and volume impact custom sheet metal costs. Get insights on pricing for fabrication, raw materials, and finishing methods.

Sheet Metal Fabrication Cost Calculator: Factors That

Raw material costs significantly impact sheet metal fabrication expenses because fluctuating prices for metals like steel or aluminum directly

Sheet Metal Enclosure Design Standards for Manufacturability and Cost

Master sheet metal enclosure design with proven DFM rules, bend radius formulas, and thermal EMI strategies to reduce cost and avoid prototyping failures.

Sheet Metal Enclosure

With a decade of expertise in sheet metal enclosure fabrication, we provide one-stop customized enclosure solutions, specializing in designing and producing a range

Custom Metal Enclosures & Cabinets Sheet Metal Products Laser

Custom Metal Enclosures & Cabinets Sheet Metal Products Laser Cutting Bending Parts Processing Manufacture Service No reviews yet Guangzhou Lanxinwang Technology Co.,Ltd 7 yrs

Sheet Metal Fabrication Cost Guide: Factors & Materials

Discover tips to optimize sheet metal fabrication costs with insights on materials, processes, & tolerances. Get practical advice & a cost breakdown.

Sheet Metal Fabrication Costs & Hidden Buyer Pitfalls

Discover true sheet metal fabrication costs: materials, labor, logistics & hidden fees. Learn how to compare vendor quotes & avoid costly mistakes.

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Metal Enclosures

Metal Enclosures MiniMetal is a global leader in the manufacturing and integration of complex OEM sheet metal enclosures, cabinets, and metal fabricated

Enclosures

Enclosures Jet Fabricators experience ranges in the medium to high-volume manufacturing of custom sheet metal enclosures, cabinets, and box component parts and complete assemblies. Both welded

Sheet Metal Fabrication Costs: Get The Estimate | Artizono

Discover the cost of sheet metal fabrication for your project. Get accurate estimates and budget effectively.

Sheet metal production line for electrical enclosures | WEMO

Sheet metal production line for electrical enclosures and distribution cabinets WEMO designs unique and flexible sheet metal production lines for the production of casing and doors for electrical

How Much Does Sheet Metal Fabrication Cost? [2025 Data]

Estimate how much sheet metal costs for your project based on professional fabrication fees and average material expenses using our comprehensive guide.

Fabricated Enclosures & Sheet Metal Cabinets

Don't settle for standard, off the shelf enclosures. Instead build fabricated enclosures and sheet metal cabinets from scratch to your exact specifications and

How Much Does Sheet Metal Fabrication Cost? [2026 Data]

Get transparent sheet metal fabrication cost info for your project. Learn what impacts price, compare options, and plan your project with confidence.

Custom Sheet Metal Fabrication Service

Xometry offers competitive, custom sheet metal fabricating prices for low-volume prototypes and cost savings for high-volume production runs. Your price for

Sheet Metal Fabrication Service

Our online sheet metal fabrication service can ship custom sheet metal parts and assemblies in as fast as 1 day. Request a quote today to get started.

Sheet Metal Fabrication Costs: A Data-Driven Guide | Artizono

What drives these costs? How can they be minimized without compromising quality? This data-driven guide delves into the intricacies of sheet metal fabrication costs, providing you with

What Is TPS Sheet Metal Fabrication for Data Center Cabinets and

TPS Elektronik's sheet metal manufacturing services for data center cabinets provide a critical foundation for this expansion. Which delivering high-accuracy steel enclosures through an

Sheet Metal Fabrication Cost: Price Guide and Estimates

This article provides practical cost estimates in USD and highlights the main cost factors buyers should consider, including hidden fees and regional differences.

How to Calculate Sheet Metal Fabrication Cost?

Ever wondered why sheet metal fabrication costs vary so widely? This article dives into the detailed breakdown of these costs, from material and processing fees to administrative and profit

How Do You Calculate Sheet Metal Fabrication Costs?

We have broken down the various cost components through a comprehensive analysis, providing detailed calculations for each process (including CNC undercutting, bending, and surface painting)

Custom Metal Enclosure Fabrication | Industrial Cabinets & Boxes ...

Custom Metal Enclosure Materials: Stainless steel, carbon steel, aluminum, galvanized sheet, coated sheet. Fabrication: Cutting, forming, welding, machining, powder coating, and assembly. Size Range:

Sheet Metal Fabrication Service

Our online sheet metal fabrication service enables you get a quote in minutes and have your parts delivered in days. We offer 3D visualized Design for Manufacturability (DFM) feedback to help you

Instagram

Spark Fabtech provides CNC sheet metal fabrication solutions designed to meet industrial requirements across multiple sectors. Components manufactured through CNC processes are commonly used in

Industrial Metal Enclosures & Custom Sheet Metal Fabrication

Sheet Metal Processing & Manufacturing Includes cutting, bending, punching, welding, surface finishing, and assembly of enclosures for various industries such as automotive, electronics, and industrial

Sheet Metal Fabrication Cost Breakdown & Tips

Learn about sheet metal fabrication cost and ways to reduce expenses. Get insights on low-cost solutions in our blog.

Top #1 Professional CNC Machine Manufacturer In China

What industries use Blue Elephant CNC machines? Blue Elephant CNC machines serve a wide range of industries, including woodworking, furniture manufacturing,

Contact Us

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