

YOUR PARTNER FOR REVERSE ENGINEERING & CLEAN SHEET DESIGNS

Hardcraft offers comprehensive, expert Engineering & Design Services to support your requirements for all fabricated metal products, including enclosures, housings, racks, milled products, frames, and structural weldments.



HARDCRAFT DESIGN SERVICES

Hardcraft offers a full suite of design solutions to address the everyday challenges our customers face: sourcing fairly priced and fully, expertly customized products with rapid delivery.

DESIGN TO SPECIFICATION

We are commonly approached by customers who know what they need, and need it quickly, but don't have a design or existing product in service. We pride ourselves on our ability to rapidly produce designs that are fit for purpose, straightforward and rapid to manufacture, and cost-competitive. Bring us your punchlist of requirements and we'll provide both a design for signoff and a finished product — faster than you thought possible.

REVERSE ENGINEERING

It's a familiar challenge: you've been using a particular part or assembly for years but the legacy vendor is out of business, or lead times have become excessively long, or you require design changes that the vendor will not support. We welcome the opportunity to provide a fully updated design to meet your needs, including your specified material types, hardware, and functional features. Don't worry about detailed documentation — we are expert interpreters of old prints, photos, and sketches.



PREMIER DESIGN. PREMIER BUILD.

CASE STUDY: BATTERY ENCLOSURE

Case Study product shown below.
Measures approximately 6' W x 6' H

Our customer faced a tough challenge:

They needed a battery enclosure immediately to complete a project, but their existing vendor offered a lead time that was months too long.

Working from photos and sketches supplied by the customer, Hardcraft provided a new design within one week of our first discussions.

Following customer approval and receipt of the purchase order, Hardcraft fabricated the new product and *shipped it complete in three weeks.*



Customization

Every product in Hardcraft's line is fully customizable — period. We will modify sizes, materials, finishes, and features of our existing products to provide the perfect solution for your application. We often combine customization with reverse engineering to take the best features of a product already in service, and add the modifications you need for success in the field.

Design For Manufacturing (DFM)

Hardcraft's customers often engage us to review existing parts that are fit for purpose as-designed but offer cost and lead time improvement opportunities. By applying our deep knowledge of fabrication techniques and efficiencies, we can remove cost by reducing parts count in assemblies and making individual parts easier, simpler, and faster to produce.

Fabrication

Hardcraft performs all major fabrication processes in-house, including laser cutting, bending, CNC milling and turning, welding, and finishing, including paint and assembly. Our contract fabrication services are ISO9001:2015 registered, ensuring you receive the highest-quality products. We also offer Program Management services, if your parts or assemblies require coordination between multiple vendors. Contact us to explore the opportunities to achieve your design goals — with full customization, fair pricing, and rapid delivery of the finished product.

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