

Custom Metal Fabrication and Powder Coating.



**Engineering Driven.
Quality Built.
Customer Focused.**



Design Engineering • Welding and Fabrication • Powder Coating • Turnkey Solutions

QUALITY

QUALITY

Customer focused

CRAFTSMANSHIP

A team of dedicated craftsmen, with a single minded devotion to achieving the outcomes customers need most.

- Total product quality
- On-time delivery
- World class design support
- Industry leading customer service
- The lowest possible cost of ownership



At UAI, quality and craftsmanship are not ideals. They are outcomes.

All our capabilities are measured by one ultimate benchmark: their contribution to customer success.



Design and Engineering

The certified engineers with advanced degrees who staff the United Alloy Technology Center are experts at more than merely metal. They serve as a valuable extension of every customer's design team, lending their mastery of CAD design and 3D modeling to product engineering, project management and precision fabrication. Their insight often yields innovative solutions that improve product performance, enhance quality and reduce costs. Our engineering team has hands-on expertise in automated production and quality management, assuring UAI customers that their initial design will be faithfully, repeatedly reproduced to the finest detail.

Automated Welding

World class capability in robotic welding is a product of our status as a leader in the manufacture of complex products. Every UAI customer reaps the benefit of an engineering team with experience on 10,000+ CAD-CAM projects, along with robotic production cells that reliably reproduce the most complex angles and intricate weldments with astounding accuracy, repeatability, operational efficiency and a reduction in component costs. We take special pride in designing ideal production processes to meet and exceed customer expectations. It's no wonder that global Fortune 100 OEMs commonly come to UAI to tackle their toughest challenges.

QUALITY

Today's achievement is

tomorrow's standard



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Custom Welding

Pride in craftsmanship is the key driver behind UAI's exceptional capability in custom welding. Experience is another hallmark, thanks to a staff of dedicated welders that can commonly boast of 10+ years of experience on the industry's toughest projects. This proud tradition is backed by an impressive list of credentials that prove our commitment to completely consistent quality from the first weld to the last.

- AWS D1.1 certification
- Pulse-arc welding
- MIG welding
- TIG welding
- Resistance and stud welding
- BLUCO fixturing for repeatable delivery of the tightest tolerances

Fabrication

From single prototypes to high-volume serial production runs, UAI fabricates metal in an ISO 9001:2008 facility equipped with the latest technology. Automated equipment from Trumpf, Cincinnati, Amada, Fanuc, Genesis and Ficep, among others, aids us in laser cutting, forming, shearing, automated drilling, punching and blanking the largest parts, with sizes up to 16 feet long, 6 feet wide and 1 inch thick. Every component...whether short-run or high volume...is produced in conformance to strict ISO, Mil-Spec and RoHS specifications. Nothing else would satisfy our customers' ultimate requirement: world class fabrication in an optimally lean manufacturing environment.

Surface Coating

Protective finishing is a key competitive edge for UAI, thanks to the presence of two of the most advanced electrostatic powder coat paint lines the coating industry has to offer. Either line can handle components to 34 feet in length, 10 feet in height and 6 tons in weight. Our 6 stage wash offers the options of reverse osmosis rinse, plus programmable drying and curing. A complete battery of tests for thickness, adhesion, and appearance offer our customers reliable, documented assurance of a protective finish with unparalleled integrity. The result is long lasting protection in the harshest conditions.

Strategic Logistics

Picture a 200,000+ sq. ft. production facility with multiple drive-in, self-leveling loading docks and overhead crane capacities up to 20 tons, strategically positioned in the convenient heart of the US Midwest. Add expertise coordinating freight forwarders and consolidating loads, and you've begun to get the scope of the UAI capability to consistently manage on-time delivery of large scale fabricated components. The capability expands to include value added assembly, customer inventory management, and many other services aimed at achieving our customers' ultimate goal: the lowest total cost of ownership.



UAI: A Single Strategic Source

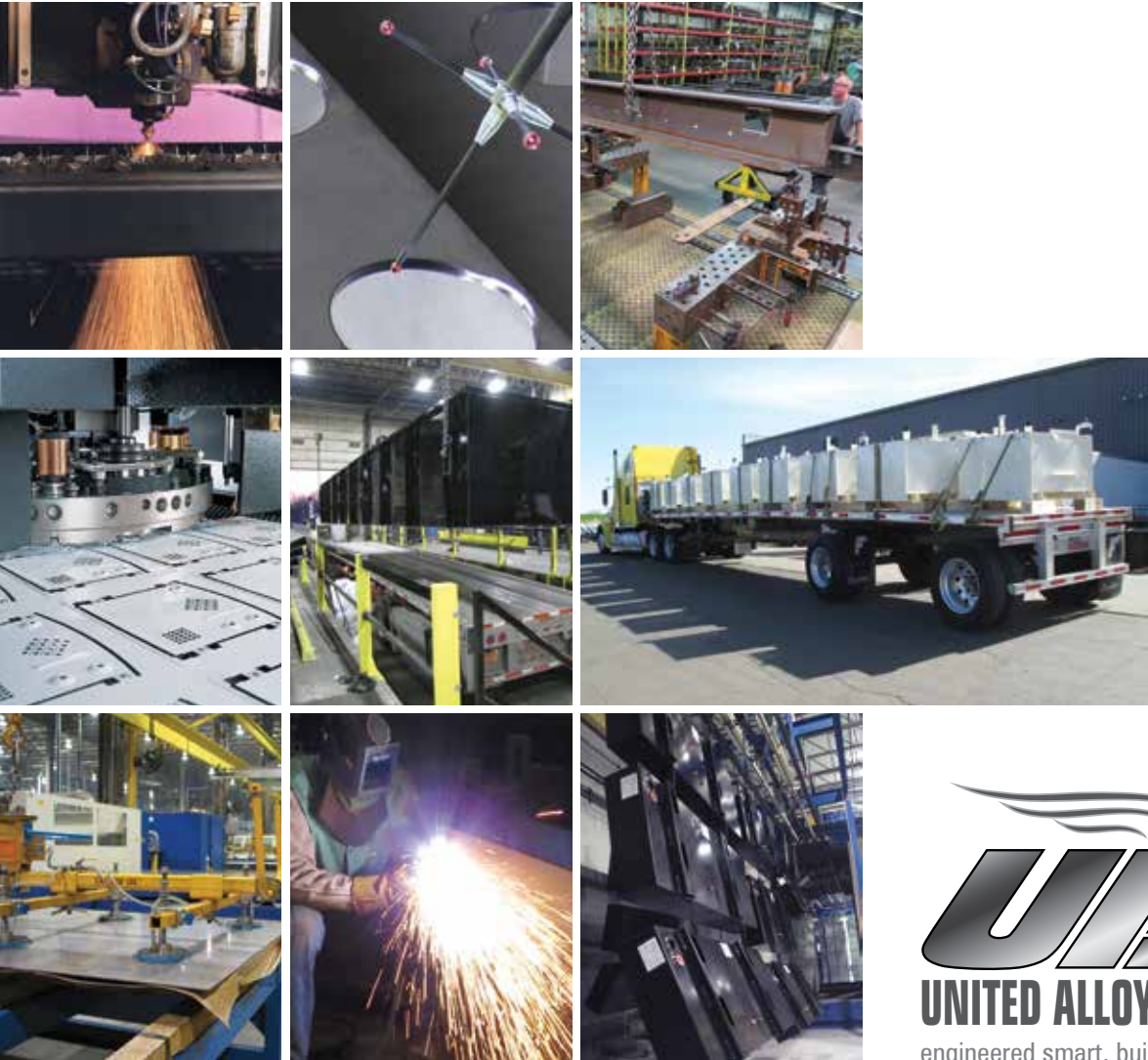
With capabilities as extensive as these, it is only natural for international leaders in back-up power generation and heavy equipment to seek UAI's help as a turnkey supplier of complete engineered metal fabrication solutions. We've enhanced this status by earning certifications for a host of the most stringent international standards, including UL142, UN31A, NFPA 30, TC, IFC and more. In addition to our ISO 9001:2008 certification, UAI has been recognized as a WBENC woman/minority owned business.

While we're proud of these distinctions, one credential stands above all others: our extensive list of long-term satisfied customers. We cordially invite you to join this distinguished group, and to experience all the ways UAI quality, technical innovation and customer service can make a positive contribution to your bottom line.

Call us for more information: 608.758.4717.
Or visit us online at www.unitedalloy.com.



ISO 9001:2008



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engineered smart. built strong.

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