



VULCAN
GLOBAL MANUFACTURING SOLUTIONS

INNOVATIVE

Products for your specific needs.

RESPONSIVE

To help you speed time to market.

PROVEN

From a supplier with a 40-year track record.

Innovative. Responsive. Proven.

To us, they're more than words. They're a promise.

A promise to bring people, passion and technology to your project. To build what you need, get you to market faster, and help you stay competitive once you're there.

As a custom manufacturer, we bring innovation to everything we do. From a single part to a turnkey assembly.

We design, engineer and manufacture with a wide variety of materials. We use cutting edge techniques like 3D plastic printing and offer specialized fixturing for quick change-outs. All in ISO 9001-certified facilities, fully compliant with 29 CFR environmental regulations.

Our 40th anniversary is a celebration of listening to customers and responding with innovative materials and products. To deliver the best solutions.

We thrive on challenges and we're ready to tackle yours.





YOUR NEEDS
DEFINE THE
PRODUCTS WE
MANUFACTURE.

VULCAN LEAD

We owe our success to those who make innovation possible. The people who ask for solutions – you.

In 40 years, we've learned a lot. When other suppliers dropped out and left their users stranded, we put your needs front and center. Structuring our business for longevity, and total solutions.

That means casting, extrusion, machining and fabrication/assembly – every segment of lead manufacturing. It means we work with you from the start. From concept and development through just-in-time delivery of components and assemblies. Together we'll refine designs, identify materials, select processes and make choices that keep you on schedule and under budget.

As lead experts, we produce a wide range of precision products. From ammunition cores to helicopter rotor weights. And we use a broad range of manufacturing techniques – from casting, extrusion, machining and lamination to stamping, forming, die cutting, and fabricating.

We're also the world leader in radiation shielding, with innovative solutions for every conceivable containment need – from medical equipment to nuclear material. You'll find us in x-ray machines, CT and PET scanners, linear accelerators, cargo scanning, airport security systems and radio-isotope shielding.

Vulcan Casting uses horizontal and vertical casting platforms with hydraulically-driven insert tools to speed casting, tighten tolerances and lower costs. Vulcan Machining utilizes quick change tooling and vacuum fixturing for faster change overs and lower machining costs. See-through tooling reduces cutting waste in our stamping and die cutting areas while improving yield and throughput. And, we recycle all excess material – at no cost to you. You only pay for what you need.

It's what a leader does.



**VULCAN IS THE
WORLD LEADER
IN RADIATION
SHIELDING FOR
MEDICAL, SECURITY
AND NUCLEAR
EQUIPMENT.**





Vulcan Lead is the world's leading supplier of lead and lead alloy products. We offer multiple manufacturing solutions for most applications and we will find the best solution to achieve your specific goals. Go with the market leader for all your lead product requirements and let us put 40 years of experience to work for you.



VULCAN MACHINING



Vulcan machining capabilities are unmatched.

With more than 25 CNC machines, Vulcan Machining will find the best solution for your machined product or assembly needs. Our state-of-the-art, three & four-axis machines allow us to perform 3-D work from your models, while in-process probing capabilities ensure quality. We use 3-D vertical and horizontal CNC milling, CNC turning, and CNC router cutting, depending on your product needs. We thrive on low to medium run sizes for quick and cost-effective change over.

Whether you need traditional or specialty materials, our variety is unmatched. We create precision products from materials that include: aluminum, copper, brass, stainless, carbon steel, plastics, tungsten, molybdenum, bismuth and lead. We also work with alloys of these materials. We machine product from castings including cast aluminum, stainless, copper, brass or carbon steel. And our 3-D printing capability lets you prototype your product for testing and review.

With more equipment and material options, products that meet your exact specifications, and continuous improvement programs in place, Vulcan Machining is the best choice for all your machining needs.

**VULCAN MACHINING
USES STATE-OF-THE-
ART EQUIPMENT TO
INSPECT OUR PRODUCTS,
ENSURING THE HIGHEST
QUALITY FOR OUR
CUSTOMERS.**





VULCAN FABRICATION

Specialty production drives our fabrication processes.

Vulcan Fabrication is a turn-key fabrication shop equipped to produce a broad range of products from simple flat parts to complex multi-level assemblies. From initial CAD design and review to final delivery, our team of expert metal fabricators will find the strategic solutions that work best for you.

Based on your specifications, we cut, form, fabricate and weld carbon steel, stainless steel, and aluminum. Our focus is small to medium run batch sizes, and we'll work to keep your costs low by applying lean, effective operating processes and systems.

Whether your project requires traditional welds or exotic materials and specifications, our certified welder/trainer/inspectors bring over 25 years' experience and more than 27 certifications to the table. We also have an in-house weld inspector, state certified for more than a decade. And with capabilities like segregated stainless steel processing to prevent contamination, CNC bending and laser cutting, we'll deliver exactly what you need – exactly when you need it.



**LET US PROVE WE HAVE THE
BEST SOLUTIONS FOR YOUR
METAL FABRICATING AND
WELDING REQUIREMENTS.**



WE'VE GOT THIS.



We are a full service ISO certified supplier, ready to help you every step of the way. From concept and manufacturing to final delivery Vulcan has you covered. With an emphasis on 6s and lean manufacturing, Vulcan is driven to perform at the highest level for our clients.

For 40 years, we've made lead, tin, tungsten, molybdenum, and lead alternatives. Today we can also meet your needs in aluminum, stainless, brass, carbon steel, and more.

We're a full-service manufacturing partner serving industries like Medical, Aerospace, Security, NDT, Explosives, Nuclear, and many others. Now we're ready to serve you.

Contact us with your project needs today. Please call us at **414.645.2040** or visit us online at **vulcangms.com** and let's get down to business.



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