

MANUFACTURING WAS BROKEN
WE FIXED IT





WE STARTED WITH AN OBSERVATION

The manufacturing model is broken. Customers spend tremendous amounts of money designing their products only to realize they can't be easily manufactured. Factories rarely have the ideal equipment for a customer's application and are biased to making parts, not delivering innovation.

WE WANTED TO FIX THAT

Radius combines U.S. based design, engineering, prototyping and assembly with a global network of specialized factories in North America, Europe and Asia. Our unique model gives you limitless engineering possibilities matched to the optimal production method. We bring it all together at our U.S. facilities with state of the art quality assurance, automation, assembly and logistics systems to ensure every part is right, every time.



LIMITLESS MANUFACTURING PROCESSES

Assembly & Sub-Assembly

- Cases, enclosures & housings
- Mechanical assemblies
- Metal, plastic & rubber assemblies
- Sonic & spin welding
- Seal assembly
- Testing & validation

Plastic Manufacturing Solutions

- In-Mold Decoration (IMD)
- Over-molding
- Rapid prototypes
- Short-run production
- TPE / TPU / TPR

Plastic Capabilities

- Blow Molding
- Extrusion
- Injection: 5T - 3500T
- Resin color matching
- Rotational Molding
- Two Shot Molding
- Welding (sonic, hot-plate, spin)

Rubber Manufacturing Solutions

- Bonding to metal
- Chemical-resistant materials
- Custom compound formulations
- Large & heavy components
- Rapid prototypes
- Sealed enclosures
- Seals (custom, x-ring, racetrack)
- Silicone

Rubber Capabilities

- Compression
- Custom compounding
- Extrusion
- Injection: 5T - 1200T
- Over-molding
- Silicone (RTV, Gum, LSR)
- Transfer
- Two Shot Molding

Metal Manufacturing Solutions

- Aluminum
- Anodizing
- CNC milling / machining
- Extrusions
- Machining
- Rapid prototypes
- Stainless steel

Metal Capabilities

- Deep drawn
- DISA molding / sand casting
- Metal Injection Molding (MIM)
- Screw machining / turning
- Welding

LET'S CREATE TOGETHER



WE WORK AS A **NIMBLE EXTENSION** OF YOUR OWN TEAM, ALLOWING YOU TO QUICKLY BRING PROJECTS FROM CONCEPT TO REALITY.

DESIGN & ENGINEERING

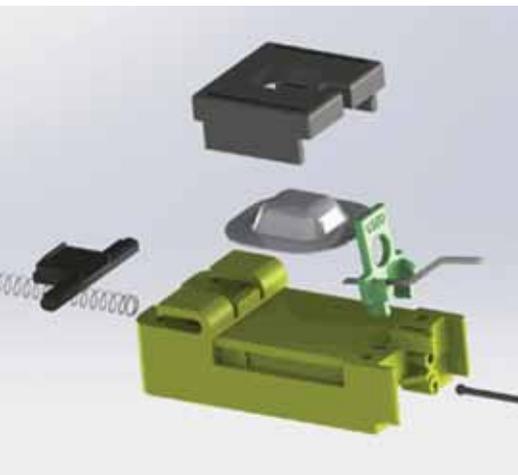
Real world experience meets continuous training. Our U.S. based engineers are ready to help make your product a reality. Our engineers maintain a Design for Manufacturing mindset in order to ensure it can be manufactured as expected.

MANUFACTURING

Whether it's mass production, 3D printing or hybrid prototypes, our team uses a combination of in-house capabilities and our global network of strategic partner factories to get to production quickly!

ASSEMBLY

We are experts at combining components into assemblies and we obsess about the details to ensure it's done right.



PROTOTYPING BASED ON EXPERIENCE



DEEP MANUFACTURING ROOTS

Our engineers are experts in a wide range of materials and processes ensuring the optimal balance of performance, quality and price. Engineers at Radius are integral to every stage of a project, allowing us to proactively find areas for generational product improvement.



LET'S GET TO "DONE" FAST

Customers tell us that Radius works as a nimble extension of their own team. This allows customers to move projects forward more rapidly when working with Radius than when working on their own.

INDUSTRIAL, TRANSPORTATION, MEDICAL & PHARMACEUTICAL **EXPERTISE**



ADVANCED PRODUCT DESIGN TEAM

Our engineers have a bias for Design for Manufacturing that allows us to accelerate product development while working as a nimble extension of your team. We are ready to work with you to design, prototype, validate and manufacture your components or complete packaged assemblies.

CERTIFIED & CLEANROOM

Our facilities are certified to TS 16949, ISO 9001, AS9100 and ISO 13485. We also have Class 7 and 8 cleanroom facilities in Taiwan, Mexico, China and the USA.





WE EVALUATE ALL MATERIAL OPTIONS AND MANUFACTURING PROCESSES TO CREATE **LIMITLESS** POSSIBILITIES.



RUBBER & ELASTOMER SOLUTIONS

We specialize in tough sealing applications using our wide range of industry certified elastomers, reverse engineering capabilities and custom compound development. If we can't find the ideal material, we'll create one!

PLASTIC MANUFACTURING

High performance, custom blend or commodity resins are complemented by our wide range of press sizes (5 Ton to 3200 Ton) allowing for nearly limitless plastic solutions. We also specialize in metal to plastic conversions.

METAL MANUFACTURING

Radius offers a wide range of metal production options. Machining, casting, stamping and even Metal Injection Molding) allow us to consider the best process and material for your application.

ENGINEERING COMPETITIVE **INNOVATIONS** FOR OUR CUSTOMERS PROBLEMS



Manufacturing & Assembly:

Asia (China, Taiwan, Malaysia, Indonesia)
Europe (Czech Republic, Romania, Italy)
North America (United States, Mexico)

Engineering & Prototyping:

Asia (China, Taiwan, Hong Kong)
Europe (Romania, Italy)
North America (Minnesota)

Distribution:

Asia (China, Taiwan, Hong Kong)
Europe (Romania, Italy)
North America (Minnesota)



Radius LLC
7667 Cahill Road
Suite 400
Edina, MN 55439 USA

Phone 1-612-568-1211
www.radius-mfg.com
sales@radius-mfg.com