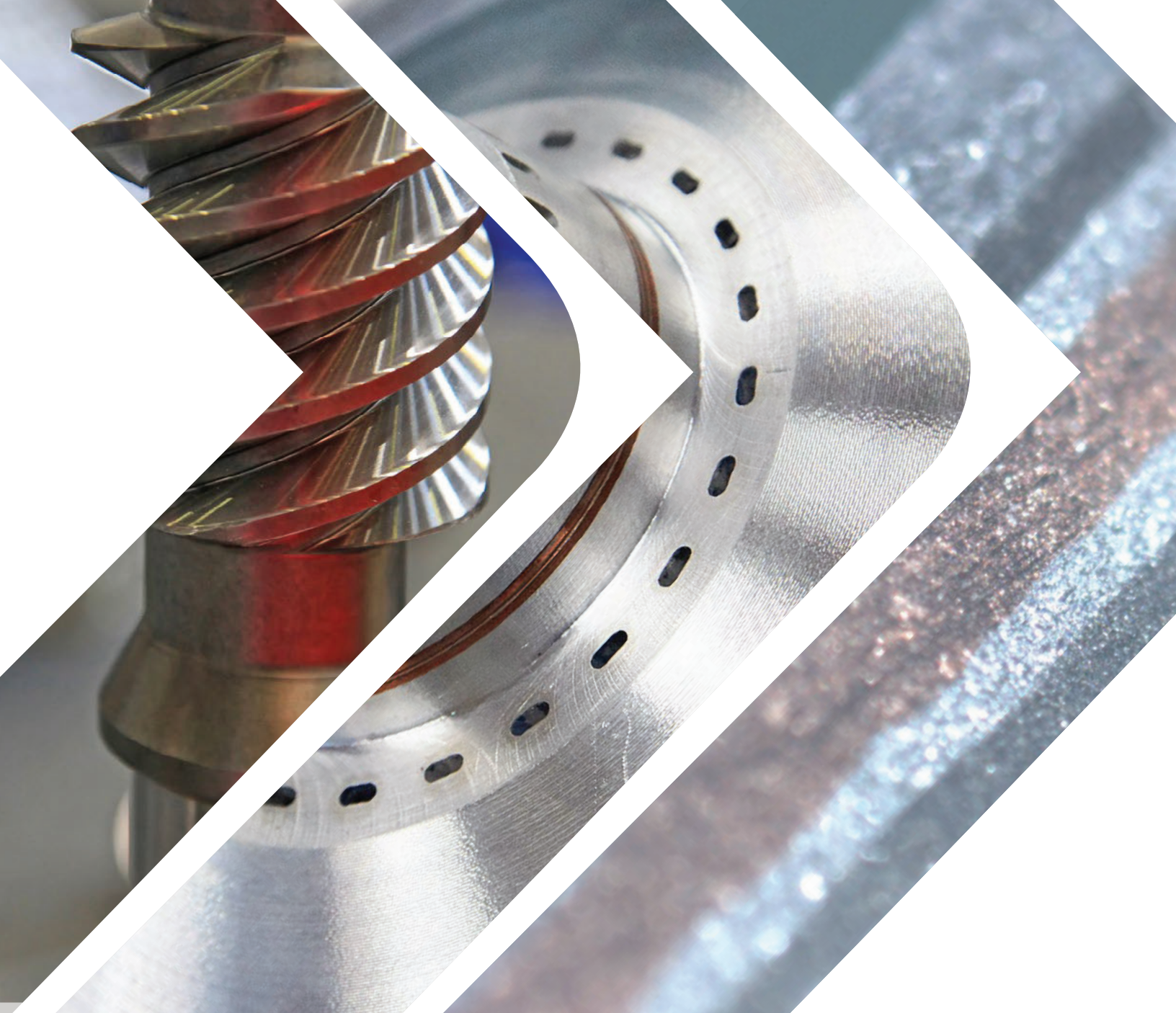




MAXIMIZING RETURN ON INVESTMENT FROM RESEARCH & DEVELOPMENT

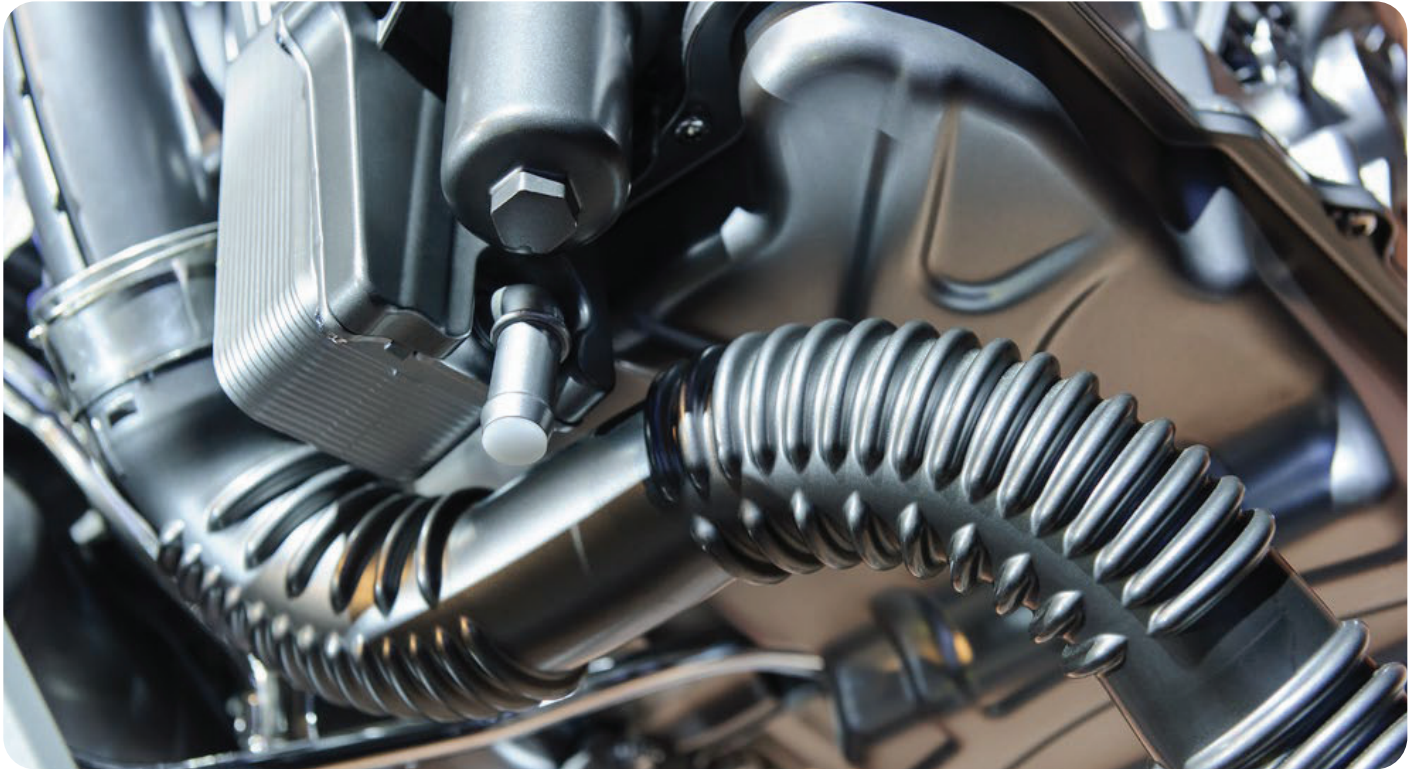
EWI[®]
We Manufacture Innovation



WAYLAND ADDITIVE

Calibur3

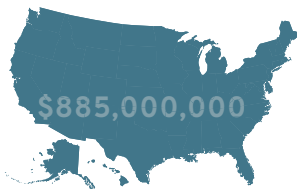




Research & Development: The Engine of Our Economy

R&D is a driving force behind North America's global competitiveness and economic strength. In today's competitive marketplace, the impact of R&D on profitability cannot be overstated. U.S. companies invested \$708 billion in R&D in 2020, demonstrating the clear link between innovation and financial performance.

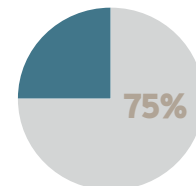
By investing in R&D, companies unlock opportunities to innovate, expand, and stay ahead of the competition.



GLOBAL LEADERSHIP:
Total U.S. investment (government, industry, academia) in R&D exceeded \$885 billion in 2022.



ECONOMIC GROWTH:
R&D spending as a percentage of GDP reached 3.39%, showing its direct impact on economic output.



BUSINESS INVESTMENT:
Companies account for 75% of R&D spending in the U.S., underlining its importance for business growth and market leadership.





How Applied R&D Benefits Your Company

1. Innovation & Competitive Advantage:

Applied R&D lets you create new products and technologies that differentiate your business, opening new markets and enhancing market share.

2. Financial Performance:

Companies investing in R&D typically see higher returns, with product innovations driving revenue growth and cost reductions.

3. Risk Reduction:

Stay ahead of regulatory changes and safety standards, avoiding costly product failures and recalls.

4. Operational Efficiency:

Streamline production, reduce waste, and improve efficiency through optimized technologies and processes.

5. Speed to Market:

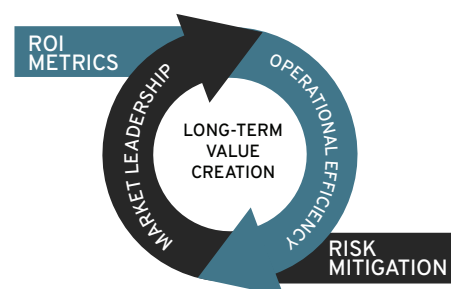
Advance R&D can significantly reduce risk, development, and production time to successfully get products to market faster.

6. Customer Satisfaction:

Continuously meet customer demands with new and improved products, increasing loyalty and retention.

7. Sustainability:

R&D enables more sustainable operations, reducing energy consumption and improving environmental impact.



THE ROLE OF R&D AT EWI

For over 40 years, EWI has helped clients maximize the value of R&D by delivering innovative, high-impact solutions that lead to long-term success. Our services don't just solve immediate technical challenges – they position your company for future growth.



Long-Term Value Creation:

We drive sustained growth by enabling you to introduce and improve new products.

1

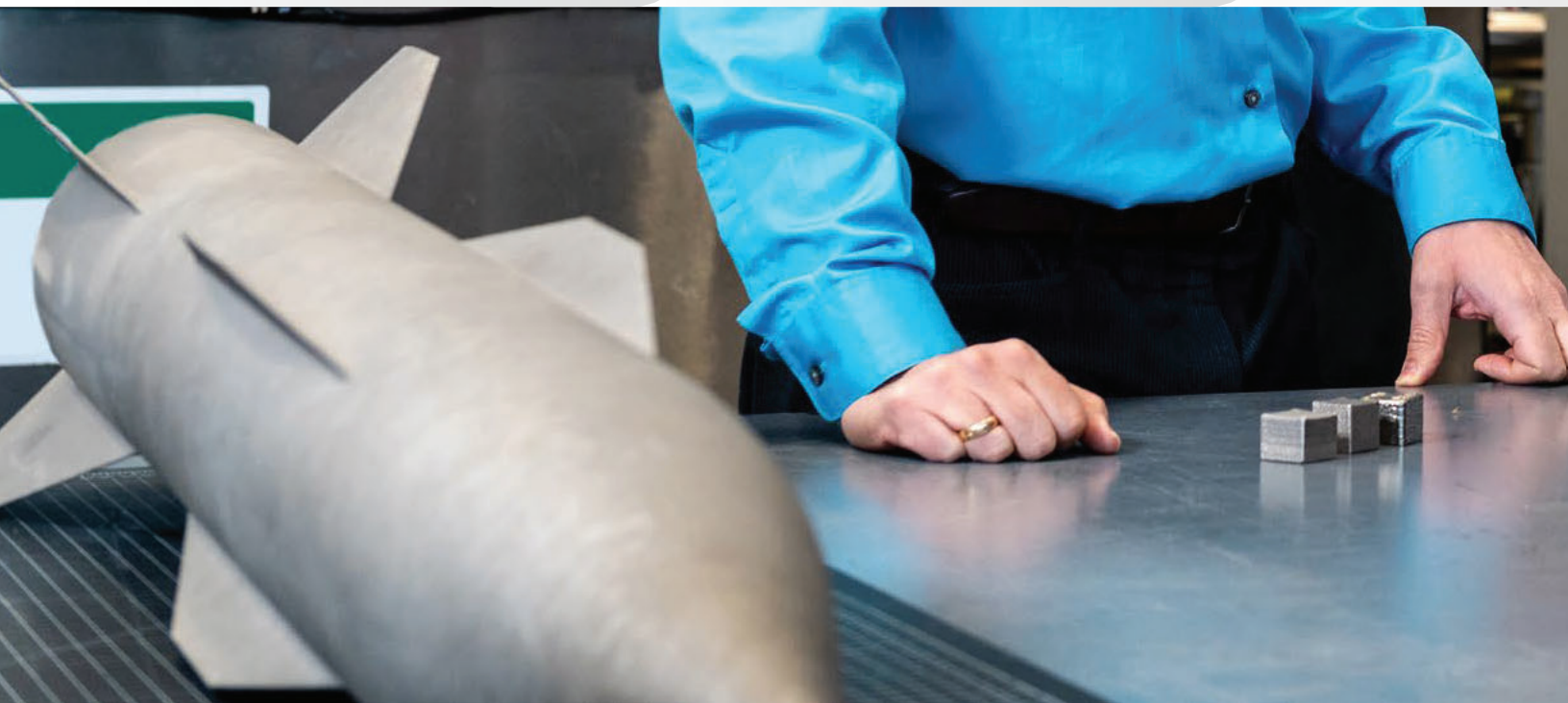
Operational Efficiency:

Our expertise helps you reduce costs and increase profitability by improving production processes.

2

Market Leadership:

We enable faster product development cycles, giving you a competitive edge.





Partnership:

Accelerate product development
and give you a competitive edge.

3

ROI Metrics:

EWI helps you measure and justify
the return on your R&D investments.

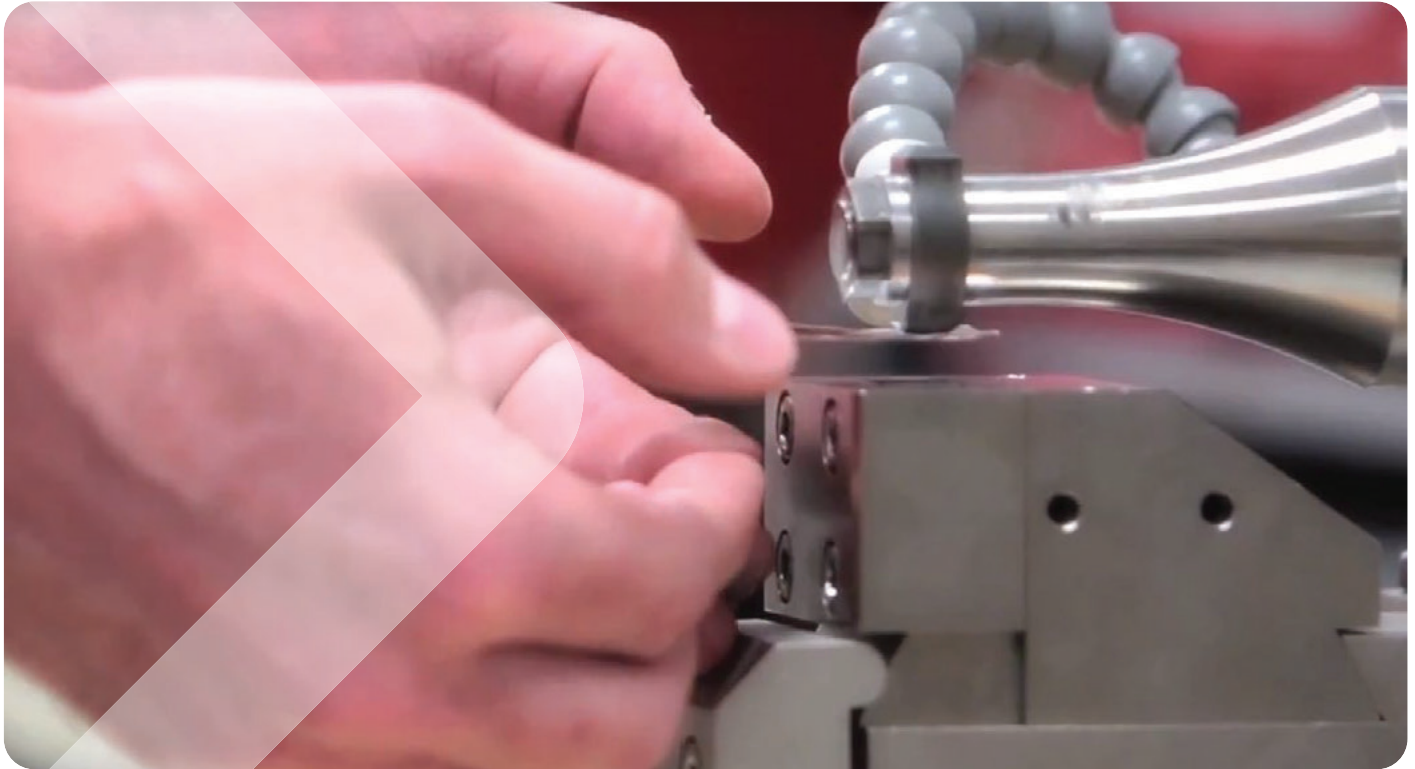
4

Risk Mitigation:

We develop safer, more reliable
products, reducing the risk of costly
failures.

5





Maximizing ROI from R&D with EWI

Investing in R&D can yield transformative results for your business, but not all R&D efforts are created equal. At EWI, we ensure that your R&D investments generate significant, measurable returns. Here's how partnering with us maximizes your ROI:

1 Targeted Solutions for Higher Returns

EWI specializes in solving complex technical challenges with solutions directly impacting your bottom line. Our focused approach ensures your R&D projects are aligned with key business goals, such as reducing production costs, increasing operational efficiency, or developing breakthrough products. By addressing high-value opportunities, we ensure your R&D delivers measurable financial returns.

2 Reduced Time-to-Market

Time is money in today's competitive market. EWI helps accelerate your R&D projects by providing rapid prototyping, expert testing, and streamlined processes. By reducing the time it takes to bring new products to market, you can generate revenue sooner, ensuring faster payback on your R&D investments.

3 Operational Efficiency Gains

EWI's applied R&D expertise drives efficiency improvements that translate into immediate and long-term cost savings. From reducing material usage and optimizing production processes to minimizing energy consumption, our solutions help your operations run leaner and more innovative, resulting in significant savings that boost your ROI.

4 Innovation with Market Exclusivity

Our R&D efforts often result in the development of proprietary technologies, patents, and intellectual property (IP). These innovations set you apart from competitors and provide exclusive market advantages and the potential for additional revenue through licensing or IP sales, amplifying the ROI of your R&D investments.



5 Risk Mitigation and Regulatory Compliance

One of the hidden costs in R&D is the risk of failure or non-compliance with industry regulations. EWI's deep expertise in materials engineering, safety standards, and process validation ensures that your R&D projects are innovative but also reliable and compliant. This reduces the risk of costly recalls, fines, or product failures, safeguarding your investment.

6 Long-Term Growth Through Sustainability

Increasingly, sustainability is a crucial driver of ROI. EWI integrates environmentally friendly solutions into our R&D processes, helping you reduce energy consumption, lower emissions, and meet stringent environmental regulations. Sustainable innovations enhance your brand and deliver long-term operational savings, contributing to an ongoing ROI from your R&D efforts.

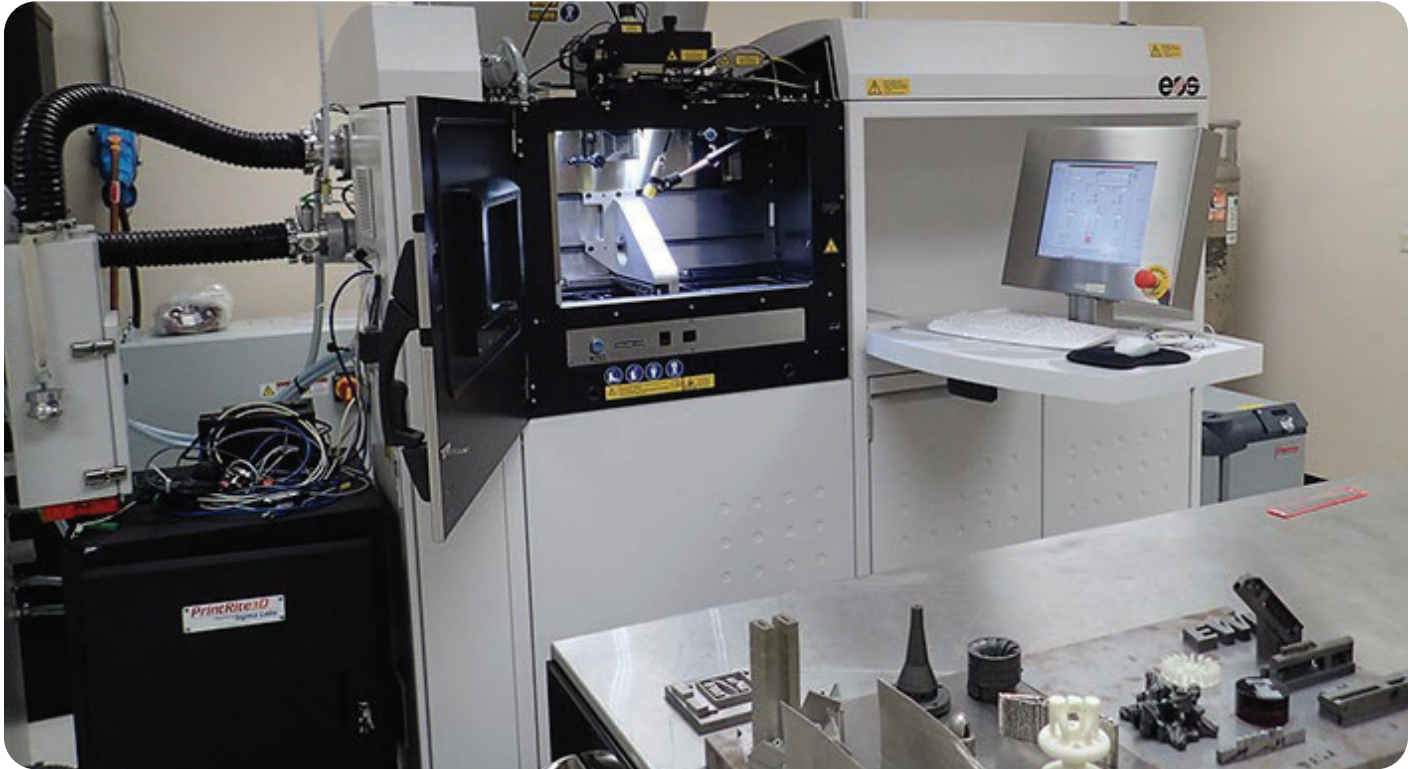
7 Custom ROI Metrics and Justification

EWI doesn't just deliver technical solutions; we help you quantify the financial impact of every R&D project. Our team works with you to develop custom ROI metrics that demonstrate the precise value of your R&D investments to internal stakeholders, helping you justify ongoing innovation efforts.

8 Continuous Innovation for Sustained ROI

Our partnership continues when a project is complete. EWI continues working with you to refine processes, implement new technologies, and ensure that your R&D efforts align with future market needs. This commitment to continuous innovation ensures that your initial investment in R&D continues to deliver returns well into the future.





Turning Challenges into Solutions: Our R&D Process

EWI's R&D process is tailored to meet your specific needs. Our stages include:

1. **Problem Identification:** We work closely with you to identify technical challenges and develop solutions.
2. **Technology Development:** Our comprehensive testing services ensure solutions meet industry standards.
3. **Implementation:** We help integrate new technologies into your operations smoothly and effectively.
4. **Continuous Improvement:** We stay with you beyond implementation, driving further efficiencies and improvements.

EWI Success Stories

EWI has helped countless companies innovate and solve critical challenges. A few examples include:

Metal Additive Manufacturing: Our R&D efforts in 3D printing have improved production cycles, material properties, and product designs in aerospace and energy.

Materials Engineering: We've helped clients improve structural integrity and reduce failure risks in the automotive, defense, and medical industries.

Collaborative Innovation: We've driven industry-wide advancements through consortiums like the Additive Manufacturing Consortium and delivered measurable ROI.





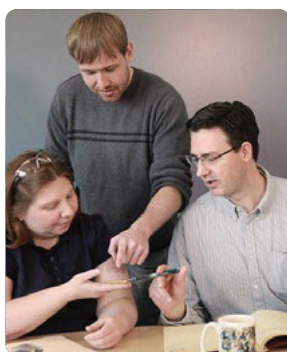
Helping You Grow: EWI's Client-Focused Approach

Our client acquisition strategy and membership base are built on delivering specialized, measurable value. Here's how we serve companies like yours:



Expertise:

With more than 100 in-house subject matter experts and \$50 million in capital expenditures, we offer advanced solutions for complex challenges.



Thought Leadership:

Through white papers, webinars, and case studies, we share industry insights that highlight our capabilities.



Industry Engagement:

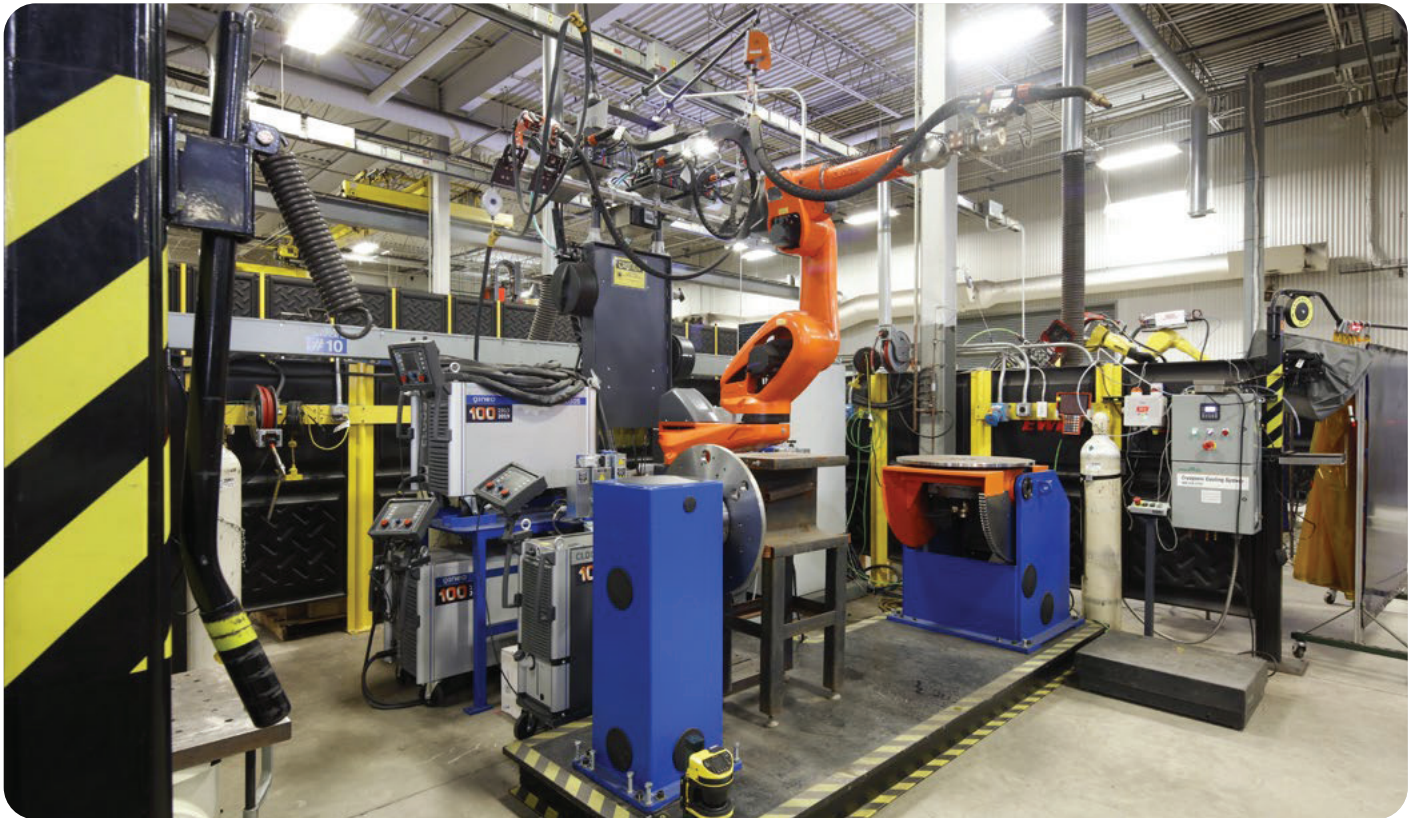
We stay connected to industry needs through membership relations, industry consortia, and trade show participation.



Measurable Results:

Our clients see real, tangible ROI from our R&D services, making it easier to justify investment.





Why Measuring ROI on R&D Matters

Measuring the ROI of your R&D efforts ensures that innovation not only happens but delivers value.

By tracking ROI, you can:

JUSTIFY R&D INVESTMENTS:

Demonstrate the financial benefits of your innovation efforts to stakeholders.

OPTIMIZE RESOURCE ALLOCATION:

Focus on projects with the highest potential returns.

MANAGE RISK:

Identify and mitigate risks early in the R&D process.

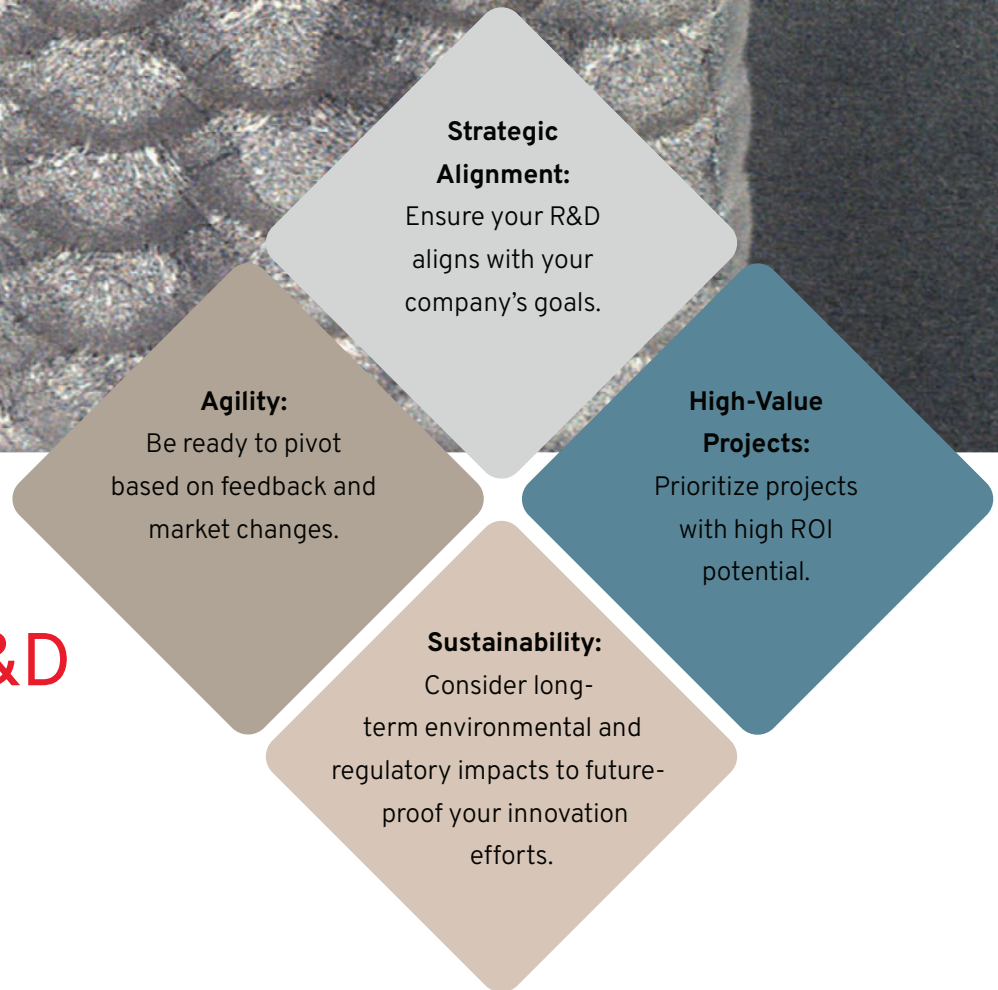
STAY COMPETITIVE:

Focus on innovations that drive efficiency and reduce costs, keeping you ahead in the market.



Creating a successful R&D strategy involves:

Crafting an Effective R&D Strategy



Boosting ROI on Your R&D Investments

To get the most out of your R&D efforts, consider these strategies:

- **Align with Business Goals:** Focus on projects directly supporting your company's strategic objectives.
- **Agile R&D Processes:** Use flexible, iterative methods to reduce project risk and adapt to market feedback.
- **Leverage External Collaboration:** Partner with universities and research institutions to accelerate innovation.
- **Data-Driven Decisions:** Use analytics to guide your R&D efforts and track their impact on your business.

Working with EWI

At EWI, we believe Research & Development (R&D) is the engine that drives innovation, growth, and success for businesses across sectors like aerospace, defense, automotive, and energy. Our tailored R&D services address complex challenges, helping you improve efficiency, reduce costs, and achieve measurable business growth.

EWI ensures that every dollar you spend on R&D delivers tangible results, such as increased productivity, cost savings, and new revenue streams.

Additionally, our materials engineering and advanced automation expertise help you stay ahead of the curve, reduce risk, and protect your innovations. We guide you in calculating the ROI of your R&D investments, ensuring your projects succeed technically and make a strong business case.

Let us help you turn your technical challenges into growth opportunities—because innovation is the future, and we're here to help you lead the way.

www.ewi.org



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EWI[®]
We Manufacture Innovation