



Elevate your business with the power of 3D printing innovation

3D printing isn't just the future of manufacturing — it's happening now. The pressure to develop products with shorter turnaround times and tighter budgets is on. To meet that demand, forward-thinking manufacturers are taking full advantage of additive manufacturing with on-site 3D printing.

93%

of companies using 3D printing consider it a competitive advantage.¹

Creating and managing an on-site 3D operation can seem daunting, especially if you don't have the right equipment, software, and in-house expertise. Don't let the challenges of implementation, infrastructure, or adhering to various regulations keep you from tapping into this lucrative, innovative technology. The complexity is further compounded by the need to:

- **Navigate hazardous materials** such as uncured resin
- **Implement meticulous post-processing methods**, including fine sanding and vapor smoothing
- **Ensure an unwavering adherence to human safety and environmental regulations**

Beyond staffing considerations, careful evaluation of the four established 3D printing technologies and their compatible materials is critical. For example:

- Filament extrusion is cost-effective but may lack the ability to design intricate features.
- Vat polymerization is fast, but post-processing can be messy and complex.
- Powder bed fusion excels with highly detailed and robust components but requires extended cooling periods and rigorous industrial processing.
- Material jetting can produce durable, realistic parts with many material options but requires a rigorous cost-benefit analysis.

Ricoh's All-in 3D Print team can address these and other concerns like material waste management, design for additive manufacturing best practices, automated software for jigs and fixture creation, material selection, or application engineering.

Rest assured, we're here to help.

RICOH
imagine. change.

Introducing RICOH All-In 3D Print

Our 3D offering is a fully managed solution for the on-site production of 3D-printed deliverables. We handle everything — staffing, printing hardware, production software, and supplies. Our on-site experts are augmented and supported remotely by Ricoh's National 3D Print Center of Excellence facility specialists at North Carolina State University Center for Advanced Manufacturing and Logistics.

Why RICOH

Partnering with Ricoh gives you all the tools you need to grow your business and compete with companies actively utilizing 3D printing for rapid prototyping and other AM use cases. Through our intelligent solutions, we optimize your investment decisions in additive manufacturing technologies, unlocking a multitude of quantifiable benefits.

For example, [this use case](#) achieved up to:

- **90% faster prototyping:** reduce lead times, accelerate innovation, and market entry.
- **90% cost savings:** liberate capital for strategic reinvestment and future growth.
- **85% of 3D printing on-site:** achieve unparalleled control over quality, flexibility, and responsiveness.
- **Commitment to sustainability:** minimize waste and lessen your environmental impact.
- **Enhanced operational focus:** free your team from the burdens of routine maintenance, empowering them to concentrate on core competencies and strategic initiatives.
- **Measurable business growth:** experience tangible improvements across your bottom line as efficiency, innovation, and agility become defining attributes of your operations.

Better together

As an extension of your product teams, you'll get one point of contact to help you manage it all. Rely on Ricoh to deliver the top-notch, customer-centric service you deserve.

Consultancy: our experts thoroughly assess your unique needs and objectives, ensuring your setup aligns seamlessly with your operational goals — we meet you where you are.

Hardware and software: we provide all your necessary hardware, software, and supplies — from installation to production to maintenance — we've got you covered.

Turnkey installation and ongoing support: our dedicated team oversees every aspect of your 3D ecosystem, from installation to routine maintenance. We offer skilled on-site and remote personnel who provide ongoing expertise, training, and operational guidance.

Pay-as-a-Service: no need to take on significant upfront capital expenditures — with our transparent pricing model, our All-In 3D Print solution bills you simply as a service so you can optimize your budget and mitigate financial risk.

Explore and learn more

Team up with Ricoh and tap into our 85+ years of experience as a global innovation leader in technology and business solutions. Visit our [web page](#) to learn more.

¹ <https://3dinsider.com/3d-printing-statistics>