

RICOH Rapid Fab

Layer Upon  
Layer of  
Innovation



# We've created everything you need for a complete Additive Manufacturing service

RICOH Rapid Fab is an innovation that covers the full range of 3D Advanced Manufacturing Services and encompasses a complete service offering, with dedicated levels of manufacturing

## Overview of our services

We take care of all your additive manufacturing needs

With a range of core services making up our complete offering, we can help you choose the combination of services you need to get the most out of our expertise – and your ideas.

Our service packages include:

## Full Service Manufacturing

Offering solutions for design and prototyping via AM, including rapid tooling for low volume production – or hard tooling for higher volume manufacture – we can take your product through its full development cycle. With our Advanced Metrology centre, we qualify your parts to ensure your product meets the highest quality levels required to launch your product.

## Prototyping and Manufacturing Consultancy

By consulting with our expert design team at any point in the product development cycle, we can help you fully understand and maximise AM. We can also provide assistance in selecting the correct AM technology and material for your specific application and ensure the prototype part meets your exact requirements.

## Web Based AM Production

Our secure, web-based ordering system allows you to upload your own data, specify your exact print technology and material requirements, and then we print and deliver your prototype quickly, efficiently and confidentially. This service offers access to all AM technologies and a wide range of materials to suit your exact requirements including:

- FDM printing
- SLS printing
- SLA printing
- MJP printing
- DMLS
- Worldwide delivery and support

## Rapid Fab - A Complete Service Offering





You choose the combination of services that is right for you

## Consultancy

Our industry-leading engineers and designers will guide you through each aspect of the design and manufacturing process and help your business reach its manufacturing goals. You can consult directly with our in-house team of Additive Manufacturing experts to understand and maximise the use of AM during your product development lifecycle.

## Training

Visit our state-of-the-art RICOH Rapid Fab facilities, or our team of engineers can come to your European location to provide tailored training – and help your design team realise their potential with the benefits of additive manufacturing and the services we offer.

## Exhibiting and Promotion

As a world-leading global organisation, sharing our knowledge is fundamental to our business. Visit us at AM seminars to see how we can help your business.

## Design

Our industry-leading engineers and designers are experienced in design for AM through to production. Allow us to take your concept through the product development lifecycle to help realise your manufacturing goals.

## Reverse Engineering and 3D Scanning

Our experienced team of engineers are skilled in a number of reverse engineering techniques – including 3D scanning. So if you have a part or legacy design that you need to convert into a CAD format or a format for printing directly to AM, then we have the expertise you need.

## Print Processing

With access to every facet of AM technology, our experienced engineers will identify the correct technology and materials for your specific project – and ensure the solution fully meets your product specifications. We support: Selective Laser Sintering SLS® – using Ricoh AM S5500P Additive Manufacturing Technology; Stereolithography (SLA); Multi-Jet Printing (MJP); Fused deposition modelling (FDM); Direct metal laser sintering (DMLS).

## Post Processing

Whether it's simple parts smoothing or producing a fully-finished product, we're able to bring your prototype to life via a number of post-processing options. And we also offer a myriad of solutions to help meet your product development goals.

## Quality Assurance

Our service level is fully comprehensive and we look after quality control every step of the way. We can finish your parts to the desired quality level and ensure that at each stage, you're getting a part that not only looks good, but does what its intended to do.

## Advanced Metrology

From our Advanced Metrology centre, we're able to fully qualify both prototype and production volume parts and ensure the supplied part fully meets the geometrical specifications and quality you require.

## Features

At our state-of-the-art RICOH Rapid Fab Additive Manufacturing facilities, we combine advanced AM innovation with the highest of quality control standards.

## Fast Response

We want to help you respond to your forever-evolving business challenges, and this facility has been created to help you benefit from our expertise, and get your prototypes and products to market, fast.

## The possibilities are endless

With the RICOH AM S5500p forming the bedrock of our facility – in combination with an array of other additive manufacturing technologies – our teams of experts will recommend a range of options to ensure you get exactly what's required. Of course, it's not just about the technology, we also offer expertise in areas such as consultancy, training, design, manufacturing, post process finishing and measurement and inspection services too.

## See the next big thing

RICOH Rapid Fab also hosts demonstrations, giving you an exclusive early look at the latest additive manufacturing innovations from Ricoh. You can visit our facilities to experience the range of additive manufacturing technologies, and take advantage of the 3D printer output service using your own data.

## Smoothing the path

The capabilities of RICOH Rapid Fab and our expert employees remove the often time-consuming, costly issues that surround additive manufacturing and 3D printing, allowing you to focus on core business activities. In fact, RICOH Rapid Fab will ensure that we can remain at the forefront of innovation.

## About Ricoh

Ricoh is a global technology company specialising in office imaging equipment, production print solutions, document management systems and IT services.

Headquartered in Tokyo, Ricoh Group operates in about 200 countries and regions. In the financial year ending March 2015, Ricoh Group had worldwide sales of 2,231 billion yen (approx. 18.5 billion USD).

The majority of the company's revenue comes from products, solutions and services that improve the interaction between people and information. Ricoh also produces award-winning digital cameras and specialised industrial products. It is known for the quality of its technology, the exceptional standard of its customer service and sustainability initiatives.

Under its corporate tagline, imagine. change. Ricoh helps companies transform the way they work and harness the collective imagination of their employees.

For further information, please visit [www.ricoh-europe.com](http://www.ricoh-europe.com)

**RICOH**  
imagine. change.

[www.ricoh-europe.com](http://www.ricoh-europe.com)

The facts and figures shown in this brochure relate to specific business cases. Individual circumstances may produce different results. All company, brand, product and service names are the property of and are registered trademarks of their respective owners. Copyright © 2016 Ricoh Europe PLC. All rights reserved. This brochure, its contents and/or layout may not be modified and/or adapted, copied in part or in whole and/ or incorporated into other works without the prior written permission of Ricoh Europe PLC.