



PROTOTEK
PROTOTYPING & MANUFACTURING by  **TTS**

COMPANY PROFILE

Who We Are

Prototek is the strategic partner for companies seeking advanced solutions in **additive manufacturing**.

With over twenty years of experience in **Rapid Prototyping** and **CAD Design**, we have been among the pioneers of **Additive Manufacturing** in Italy, offering an efficient and innovative alternative to traditional production methods.

Our goal is to transform ideas into reality with speed and precision.

Prototek is committed to supporting companies throughout the journey from concept to finished product, offering agile, tailor-made solutions capable of effectively addressing the challenges of a constantly evolving market.

We lead the evolution of additive manufacturing with the aim of making it increasingly **accessible, sustainable**, and fully integrated into business processes—helping accelerate innovation and generate competitive advantage.



ANDREA BARCHI *Business Unit Manager*

We deliver solutions to complex problems, enabling our clients to develop better products, faster—through methods not possible with traditional technologies.



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Prototek: Innovation and Reliability in Additive Manufacturing

Since 2019, Prototek has been part of the Dedem S.p.A. Group—a strategic synergy that combines specialized expertise with cutting-edge technologies.

Together, we support companies in transforming and optimizing their production processes, offering advanced Additive Manufacturing solutions.

Thanks to targeted investments and extensive hands-on know-how, we offer a wide range of **professional 3D printing** technologies, ideal for producing customized **components, small batches, and large-scale series**.

All our production takes place exclusively in Italy, with no outsourcing, ensuring the highest standards of **quality, reliability, and confidentiality**.

We support our clients at every stage of the process—from **design to post-production finishing—delivering** comprehensive technical assistance and optimized solutions in terms of performance, functionality, and lead time.



Our Work Philosophy

At **Prototek**, we believe in the value of **authentic connections** and **daily collaboration**.

The company is more than just a workplace—it's a space for interaction and exchange, where ideas take shape through dialogue, brainstorming, and the sharing of expertise.

Encouraging in-person presence and **team interaction** allows us to accelerate innovation, strengthen the **sense of belonging**, and cultivate a **dynamic and stimulating environment** where everyone is empowered to express their full potential.

Our Values



WE ARE AMBITIOUS

We are driven by determination and vision: we aim high with clarity and purpose.



WE ARE INNOVATIVE

We experiment, explore, and anticipate. Innovation is our driving force, from every perspective.



WE ARE COLLABORATIVE

We believe in the power of teamwork. Growing together makes us stronger, faster, and more resilient.



Andrea Barchi
Business Unit Manager



Paola Frasson
Account Sales Manager



Giulia Caberti
Digital Sales Marketing
Specialist 3D



Sonia Amato
Specialist Consultant



Andrea Buscaldi
Design manager

A Company in Step with the Times

Our technical **know-how**, the result of years of experience, combined with a highly qualified team and constant updates on industry developments, makes **Prototek** the **ideal partner for product development**.

We offer a **3D printing service that is efficient, reliable, and always innovation-driven**—capable of meeting market demands quickly and precisely.

1

Solutions for Every Industry

Prototek delivers **advanced technological solutions** in the field of additive manufacturing, supporting companies across a wide range of sectors: **mechanical engineering, automation, electronics, jewelry, design**, as well as **architecture, fashion, footwear, sports, automotive, aerospace, lighting, and packaging**.

The versatility of our expertise allows us to tackle complex challenges in diverse contexts, always with a customized and strategic approach.

2

The Potential of Additive Manufacturing

We firmly believe in the potential of **additive manufacturing** as a strategic driver for the future of industry.

That's why we've invested in a fleet of high-performance machines and next-generation industrial **3D printing** technologies, capable of producing **complex components** in a wide range of **materials and formats**—both for prototyping and **full-scale production**.



How We Drive Innovation



ENGINEERING

We support our clients throughout the entire product development cycle, offering **advanced engineering** services based on the latest CAD/CAM software and cutting-edge simulation systems.

Thanks to our cross-sector expertise, we are able to **optimize each project** according to the selected production process, material, and required performance



3D PRINTING

At the heart of our operations lies **industrial 3D printing**, powered by a state-of-the-art machine fleet and a wide selection of technical materials.

We produce **high-performance components** for both **prototyping** and **series production**, delivering versatility, precision, and reliability—even in the most complex geometries.



POST-PROCESSING

To ensure a flawless result, we take care of every detail even after printing.

We have developed an **internal finishing process** that includes multiple post-processing stages, tailored to meet dimensional, functional, and aesthetic requirements.

This enables us to deliver **ready-to-use parts**, finished to the highest quality standards.



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Solutions and Technologies

Prototek solutions combine **cutting-edge 3D printers, advanced software, and certified high-quality materials** to deliver functional components with exceptional performance and flawless design.

We support engineers, designers, and production managers in developing products that **exceed expectations**, ensuring reliable, **repeatable, and timely results**.

From **rapid prototyping** to **small batch production** and **large-scale manufacturing**, we guide our clients through the creation of a wide range of end-use parts with a flexible approach focused on top quality.

Our Technologies

MultiJet Printing (MJP)

A flagship of our machine fleet, **MJP technology** guarantees **ultra-high resolution and excellent surface finish**, combined with fast production times—ideal for precise, aesthetic, and functional prototypes.

Digital Light Synthesis™ (Carbon DLS™)

An advanced process based on **liquid photopolymer resin**, Carbon DLS™ uses **digital light projection** and an oxygen-permeable window to produce **high-performance polymer parts** with **outstanding mechanical properties, fine detail, and smooth surface finish**.

HP Multi Jet Fusion (MJF)

Thanks to voxel-by-voxel control, **HP MJF technology** enables the **production of robust, precise parts** that are unattainable with traditional methods—perfect for engineering and industrial applications.

Digital Light Processing (DLP)

A high-speed, high-precision 3D printing technology ideal for **complex resin objects with fine detail and high definition**.

Widely used in sectors such as **jewelry, dental, product design, and technical modeling**, DLP offers **detailed finishes in significantly reduced production times**.

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Our Materials



Rigid Materials

PA12 - EPX 82 - PA12 Caricato vetro
EPX 86 FR - RPU 70 etc.



Elastomeric Materials

EPU 40 - EPU 41 - EPU 43 -
EPU 46 - EPU 45 - TPU etc.



Prototyping Resins

UMA 90
Ind 405 clear etc.



3D Materials for Real-World Applications

Prototek uses **certified engineering-grade materials** capable of ensuring reliable and repeatable mechanical performance.

Each material is selected based on specific application requirements—strength, flexibility, dimensional accuracy, and surface finish—to ensure maximum consistency between design and final product.

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Exceeding Expectations. Every Day

Prototek is proudly part of the **Carbon Production Network (CPN)**—a global ecosystem that brings together the most advanced players in additive design and manufacturing.

Thanks to the Carbon platform, our clients can **design, develop, and produce radically better products**, leveraging a cutting-edge technology that combines **high performance, aesthetic quality, and production speed**. We are also part of the **HP Digital Manufacturing Network**, an international network of HP-selected partners that ensures **high standards of reliability, innovation, and precision**.

With Prototek, companies accelerate their **digital transformation**, streamline their **time-to-market**, and implement a **flexible, distributed production model** perfectly aligned with the needs of the modern supply chain.

Certified Manufacturing Partner

As a qualified additive manufacturing service provider, Prototek delivers **ready-to-use end parts** faster than traditional production methods.

We support our clients at every stage—from **functional prototyping** to **final production**—offering **reduced lead times, scalability across volumes, and the highest build quality**.

Carbon[®]



Expertise at the Core of Our Digital Factory

THE TEAM

Prototek relies on a team of **22 production specialists**, each highly trained in the various additive manufacturing technologies implemented in our facility.

Every technician is **highly qualified and continuously updated**, ensuring skilled and reliable oversight at every stage of the process and across every application sector.

CERTIFICATIONS

Prototek is ISO 9001 and ISO 27001 **certified**. For us, **quality** is not just a formal requirement, but a shared value that runs through every stage of the production process, involving people, technologies, and suppliers in a virtuous cycle of continuous improvement.



Join the New Era of Manufacturing

PROTOTEK

Trust Technology Service S.r.l.



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