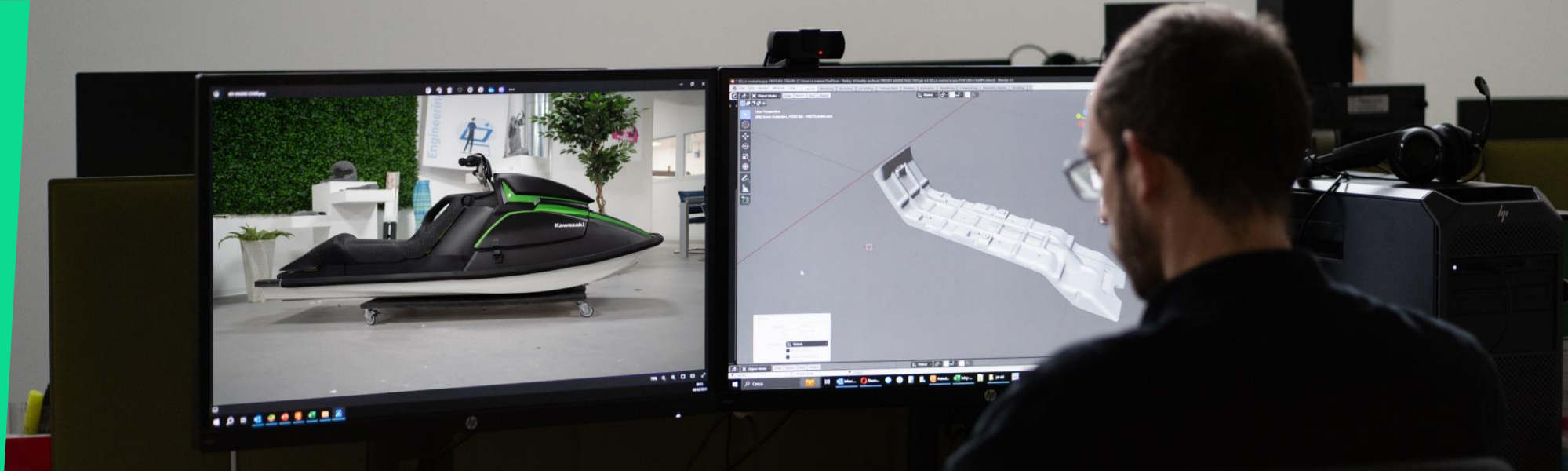


Treddy[®]

3D Printing & Consulting



Why Treddy

The traditional manufacturing industry has long shown its limits in designing and implementing individual and personalized solutions. The transition to the 4.0 logic, the innovations introduced by new technologies, and the speed at which changes are experienced in small, medium, and large companies have led us to create a unique reality on the national scene. Today, Treddy not only allows for accessible and **ready-to-use additive production**, but also offers **customized consultancy** truly **tailored to the needs of the customer**.





Our solid reality

The Treddy experience has solidified over the years, thanks to partnerships of the highest caliber and growth based on continuous investments in professional resources and cutting-edge technologies. If we have become an **elite point of reference in the 3D printing and consulting industry**, it is due to our **constant commitment** to best support the productivity of any national and international companies.



The **future** is now.

A dynamic reality stays true to its nature when it continues looking forward and not settling for achieved milestones.

Treddy constantly invests in human and technological development, in a logic of **continuous improvement**. Last year, we introduced new highly skilled professional roles, expanded our commercial network, opened new locations, introduced new printing and finishing technologies, created specialized departments, and organized internationally resonant events.

This commitment has been recognized in prestigious venues. That's why our current projects aim to be even more ambitious because only by experimenting with change and innovation ourselves can we be sure to offer the competitive advantage that we pursue and achieve.



All companies can benefit from Additive Manufacturing (AM),
regardless of the sector they belong to, their size, or the business logic
they adopt.

On the contrary, staying out of this production revolution will certainly
lead the company to contend with competitors who are increasingly
capable of carving out markets that are constantly seeking innovation,
design, and customization.

Vision

Rethinking things and the way they are made.

Treddy aims to change the approach to everyday corporate production.

Total customization, material savings, environmental respect, and full sustainability for the planet are Treddy's principles because they are already present in the additive logic itself. Thanks to our constant commitment to excellence, we know that we can achieve absolute goals of innovation and development with our partners and clients.

Mission

We want to be the **unique interlocutor** for the entire **process of modernization and business innovation**, starting from listening to the real needs of each individual production reality.

Only in this way can we not only propose solutions but also realize them with the speed and quality that only industrial 3D printing allows.



What do we do in **Treddy**?

We apply our know-how in **3 simple things**:

We answer questions

You didn't know you could ask



We find solutions

To problems you didn't think about



We give shape to ideas

You couldn't believe of realizing



We're here **for you.**

Putting the customer at the center is not just a slogan for Treddy.

Without actively listening to individual needs, it is impossible to tailor the "suit" to each person. That's why our approach revolves entirely around **consultancy based on verifying internal processes, dialogue and discussion**, studying the best solutions, and providing a clear, definitive, and above all, functional project.

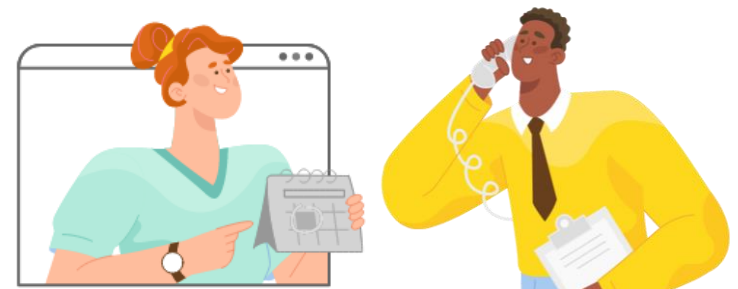
Just like our consultancy, the products we create in 3D have no standardization, and we make sure things stay that way. Your needs are not the same as others. The right solutions for someone else may not necessarily be the right solutions for you.

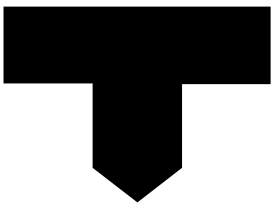
That's why Treddy follows you wherever you are.

AM Consulting



AM Business Planning





DfAM & Design
Design, product development
and CAD



Rapid Prototyping
Production of prototypes, mini
series, functional and aesthetic tests



**ONE
PLACE
4ALL**

3D Scanning
Certified Dimensional Control and
Digital Imaging



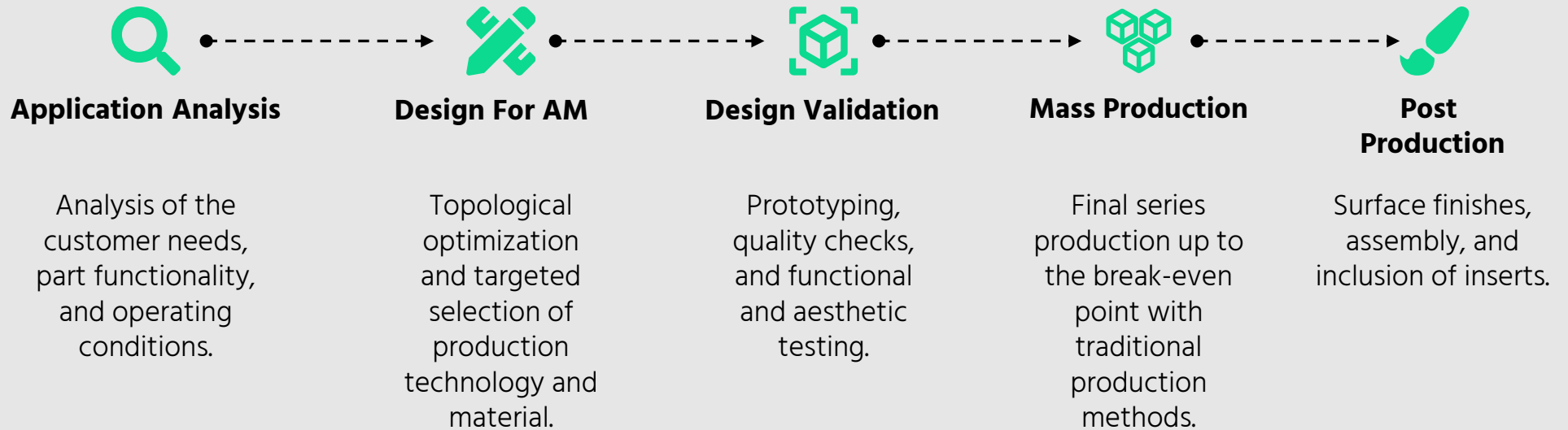
Additive Manufacturing
Mass production on demand and
custom



Consulting



Our workflow





Which sectors do we support?

In reality, no exemplification could fully capture the range of possibilities for the application of our proposals, so we prefer to avoid lists that will never be exhaustive.

Treddy can support any idea, in any sector.

Are you ready for this revolution?

Let's discover together some concrete cases.

BEFORE



Case Study

JETFUSION on JETSKI

What did we do?

Complete restyle and optimization of Kawasaki JetSki (1991).

How we did it?

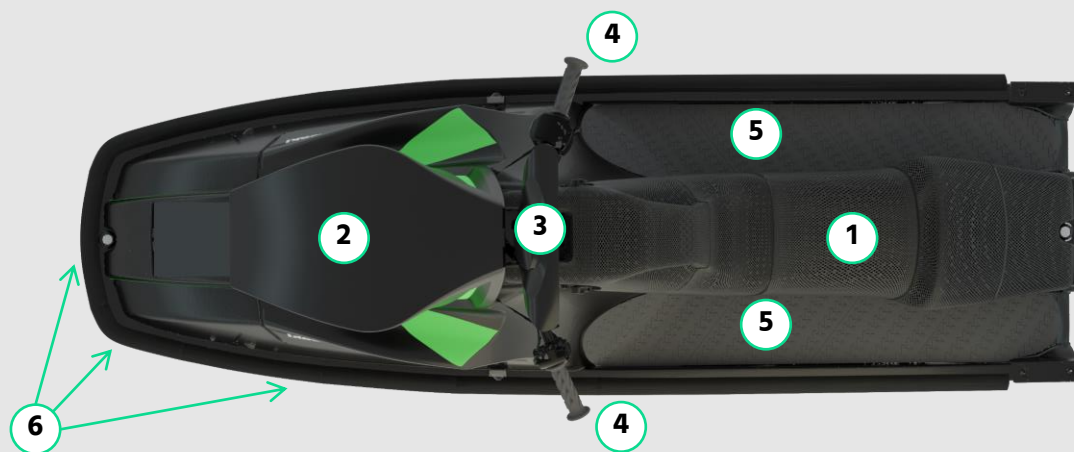
3D scanning of the original, reverse engineering and customization of new parts, printing with Multi Jet Fusion technology, vapor smoothing, painting, and wrapping to customize and refresh the appearance of the parts.



AFTER



Project Details

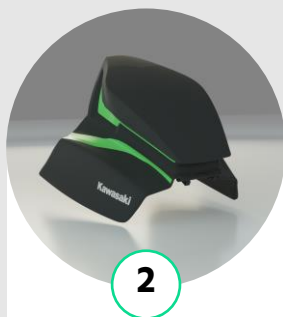


1

Saddle Seat

Mat: TPU

+ confort



2

Engine Cover

Mat: PA12

+ aerodinamica

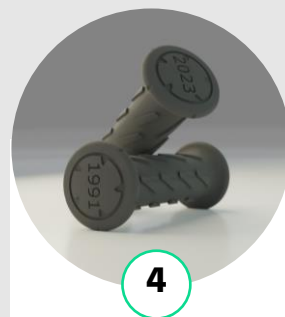


3

Handlebar Cover

Mat: PA12

+ protezione

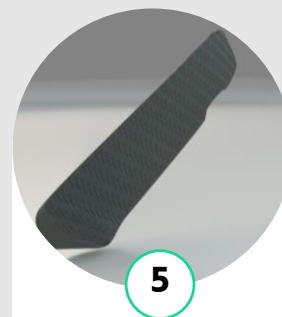


4

Handle Grips

Mat: TPU

+ grip



5

Riding Platform

Mat: TPU

+ resistenza



6

Bumpers

Mat: TPU

+ durezza



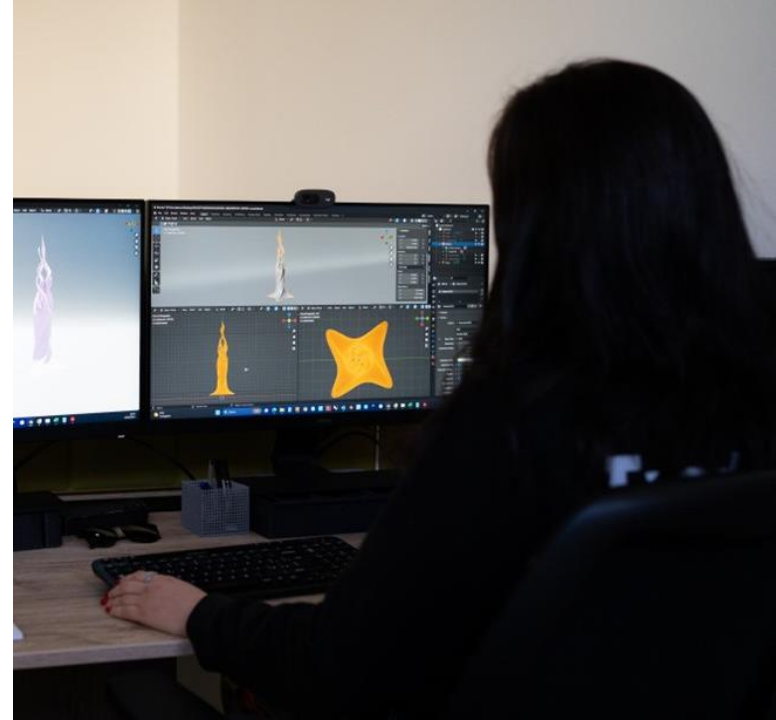
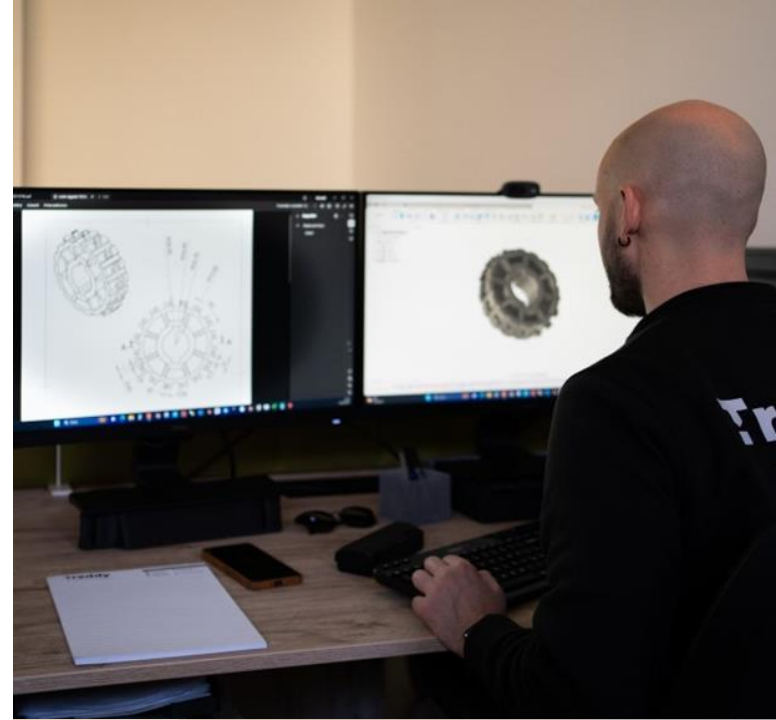
Design & Engineering

The beating **heart** in Treddy.

Our technical office, composed of a **highly specialized team**, is at your complete disposal for any type of project.

From the simple **development of an idea** to the **design and optimization for Additive Manufacturing**, we offer comprehensive technical support, working closely with the client to understand their needs and ensure optimal results. Alternatively, we can autonomously manage the entire design process, guaranteeing efficient and professional project management.

Our mission is to translate your vision into reality, with expertise, cutting-edge technology, and a total commitment to the quality of the final result.



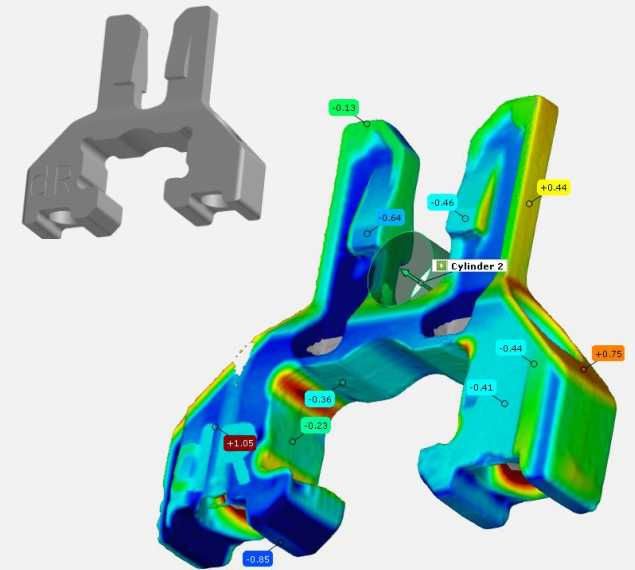
3D Scanning & Reverse Engineering

A step **beyond** 3D printing.

Thanks to our advanced and portable 3D scanning systems, our team can transform any object into a 3D model, both on-site and at the customer's location.

We use **advanced software** for reverse engineering and reworking existing geometries to **optimize** obsolete parts and components.

Our 3D scanning systems allow us to offer a **Dimensional Control service** for 3D printed parts, ensuring a perfect match between the original model and the new product.



Cutting-edge production.

Anticipating the future, it takes vision, preparation, and investment.

We are constantly listening to the market and evaluate daily the best technological choices to achieve excellence in performance.

This is why Treddy is **constantly expanding** the list of its production facilities and the materials used.



HP MJF e SLS

To forget the need for molds and **optimize time and costs.**



FFF

To achieve superior **mechanical** and **thermal** performance.



SLA e MSLA

For **superior aesthetic results** and ultra-defined details.



LFAM

To produce objects on **dimensional scales impossible** with other technologies.





Our Additive materials

MJF Powders

PA12
PA12 GB
PA11
PP
TPU

Filaments

ONYX
(carbon reinforced nylon)
ONYX + Glass Fiber
ONYX + HSHT GF
ONYX + Kevlar
ONYX + Carbon Fiber
PEEK
ULTEM
TPU

Resins

Simil-ABS
High Temperatures
Simil-Rubber
Transparent
Fusable

Pellet

CUSTOM BLEND

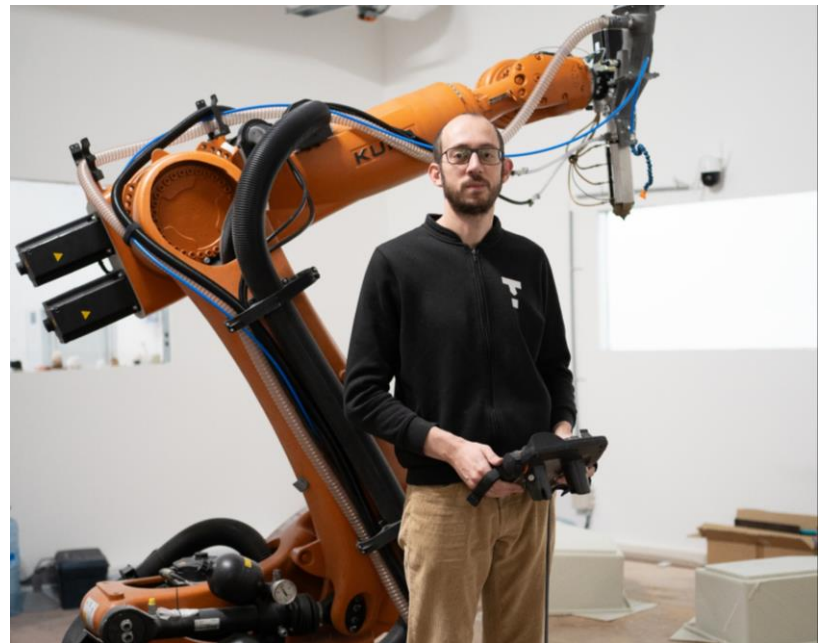


Only top tiers partners.

For professional results, professional equipment is needed.

But at Treddy, that's not enough: we rely only on the best brands, always seeking the state-of-the-art in 3D technology. This is the only way to anticipate technological developments and intercept new needs before others.

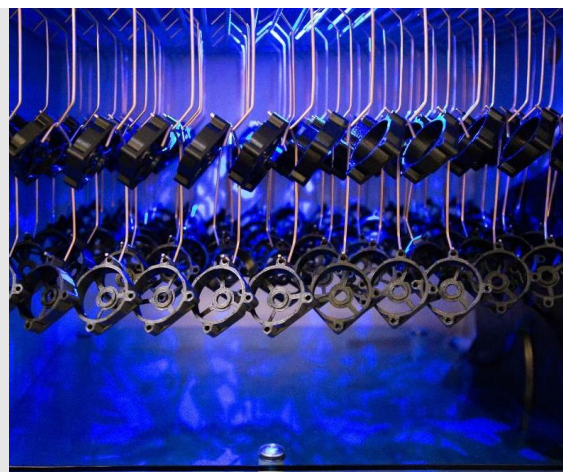




Operative supports.

At every stage of our operational journey, we rely on solid technological support provided by historical and established brands to ensure the highest level of service.





Productive Capacities

Printing Dimensions



Monolithic Pieces
Up to 12m³

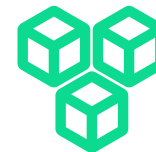
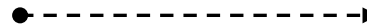


Assemblies
No limit

Production Volumes (yearly)



1 piece



Up to **Break-even point**
with traditional production
methods





Finishings and Treatments

Surface Finishings

- Dyeing
- RAL Painting
- Elastic Coating
- Miniature Painting
- Water Transfer
- Chroming
- Galvanic Plating

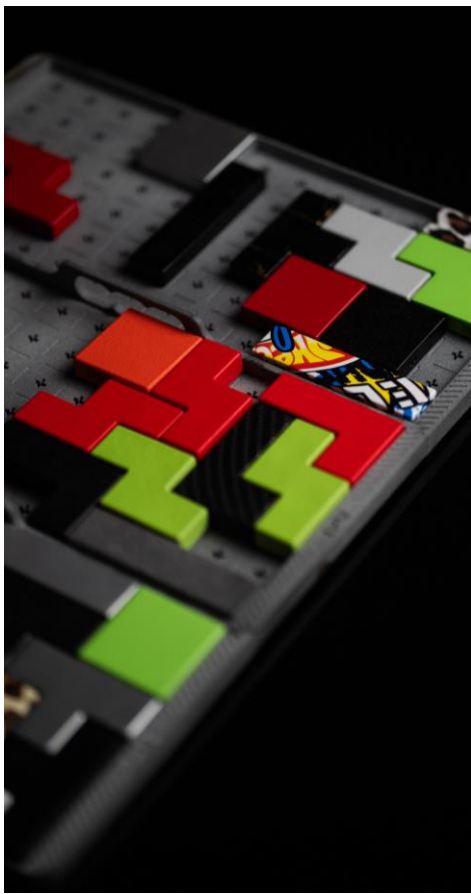
Surface Treatments

- Sanding
- Buffing
- Vapor Smoothing
- Teflon Coating
- Thermal Spraying
- Tankerite Coating
- Resin Coating

Mechanical Processes

- Insert Assembly
- CNC Machining
- Milling
- Parts Assembly





Quality as **core** value.

At Treddy, we place quality at the **center of our daily work**, not only by applying rigorous quality controls on every printed part but also by implementing codified and **certified procedures** according to international standards.

Member of CISQ Federation



CERTIFIED MANAGEMENT SYSTEM

ISO 9001

Advanced testing on materials and products

We offer our clients a wide range of **specialized services** in the field of **testing and industrial inspections**. Our services include **non-destructive testing, mechanical** and **chemical tests**, and tests on materials and finished products. We are committed to ensuring companies the highest quality, compliance, and safety in their production processes.



Plastics

- ✓ Identification and mechanical characterization
- ✓ Durability tests under ISO standards
- ✓ Performance evaluation according to ISO standards

Surface Treatments

- ✓ Product identification (FT-IR)
- ✓ Crosslinking and accelerated aging
- ✓ Colorimetric properties and coating adhesion
- ✓ Impact resistance, forming, chipping, and scratching

Measurement Instruments Calibration

- ✓ Calibration of linear instruments, pressure, temperature, force, torque, mass, current, and FGAS package

Non-Destructive Testing

- ✓ Liquid penetrant (PT), Magnetic particle (MT), Radiography (RT), Ultrasonic (UT), Visual (VT)

Special Tests

- ✓ Failure Analysis, Hydraulic tests, Burst pressure tests

Performance evaluation in accordance with

- ✓ ISO 1133 Melt Flow Rate
- ✓ ISO 1183 Density
- ✓ ISO 527 Tensile Properties
- ✓ ISO 178 Flexural Properties
- ✓ ISO 179-1 Charpy
- ✓ ISO 180 Izod
- ✓ ISO 868 shore hardness
- ✓ ISO 306 Vicat
- ✓ ISO 4611 Humid heat, misted water, and salt spray
- ✓ ISO 11357 DSC (Differential Scanning Calorimetry)
- ✓ ISO 11358 TGA (Thermogravimetric Analysis)





So then, **why** Treddy?

Because the advantages listed so far are the result of our experience, professionalism, and dedication to the customer: industry research, the study of the best solutions, the realization of a project that truly rethinks efficiency in how things are done, are our priorities.

For Treddy, "customer at the center" means **taking on** every technical and organizational aspect.

For Treddy, "customer at the center" means **finding the answers** they were looking for.

For Treddy, "customer at the center" means **allowing them to enjoy the benefits** without worrying about the "how."

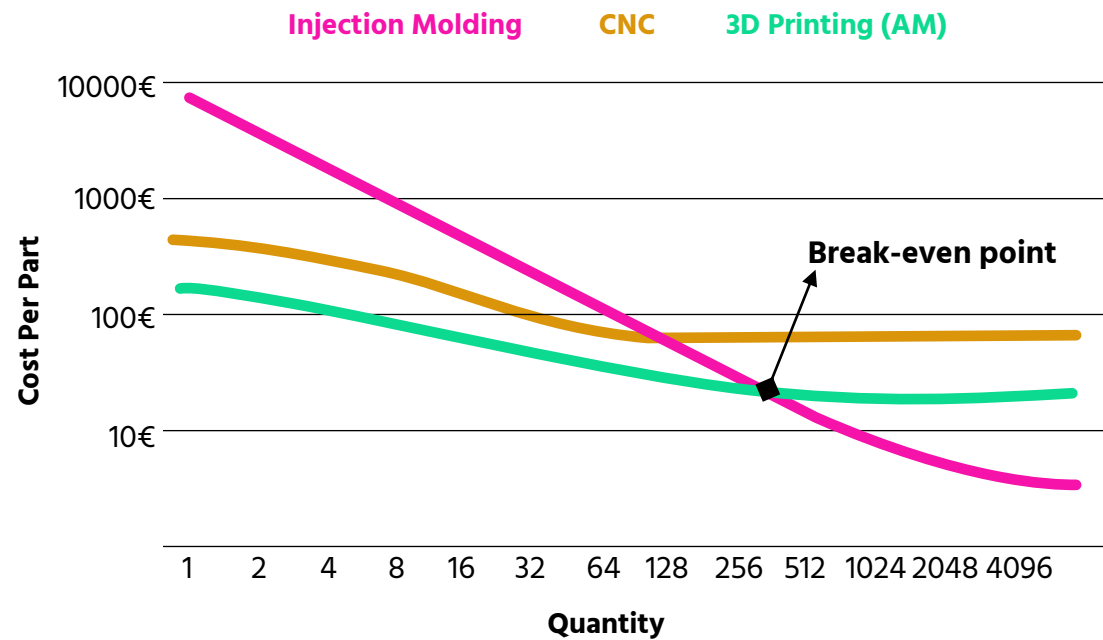


These the “whys” of Additive Manufacturing



Because it's competitive.

Additive Manufacturing proves to be highly competitive on medium-small production, guaranteeing **savings in production start-up costs** compared to traditional technologies.

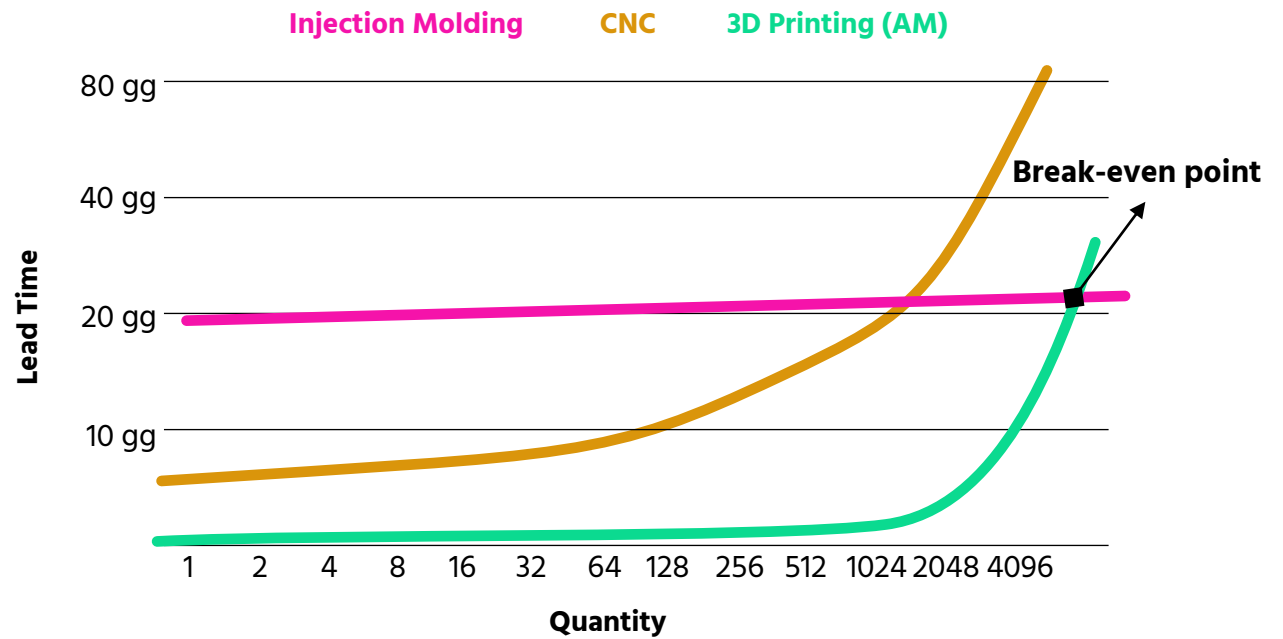


The data shown refer to the production of a drone foot with a bounding box of 146.69mm x 139.57mm x 33.00mm.



Because it's fast.

Thanks to its digital nature, Additive Manufacturing is able to meet extremely fast lead times, up to even just **24 hours** from production, resulting in a winner for urgent orders and last-minute productions.



The data shown refer to the production of a drone foot with a bounding box of 146.69mm x 139.57mm x 33.00mm.





Because it's **sustainable.**

3D printing represents a revolution in manufacturing, **optimizing material usage** and drastically **reducing waste**. Through this innovative technology, we can deposit material **only where it is strictly necessary**, ensuring efficient and sustainable production.

Furthermore, an industrial 3D printing plant stands out for its **minimal environmental impact**, positioning itself as a top ecological option compared to traditional production lines.

This cutting-edge approach not only leads to more **responsible resource management** but also actively contributes to preserving the ecosystem, representing a conscious and advanced choice for the future of industrial production.



Where to find us

Technology hub at CoFactory Designtech
Milano.

**Via Polidoro da Caravaggio 30 | 20156
Milano (MI) | Italia**



The production and administrative headquarters of Treddy is in **Pescara**, the industrial and economic heart of the Abruzzo region..

**Via Raiale 93/A | 65128 Pescara (PE) |
Italia**

Meet the **team**

Professionalism, commitment, passion. These are just some of the qualities of our team. At Treddy we let the skills and potential of the individual emerge for the benefit of the customer. The strength of our group will be the **key** that will make your projects come true, **whatever they may be.**



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Visit our website



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