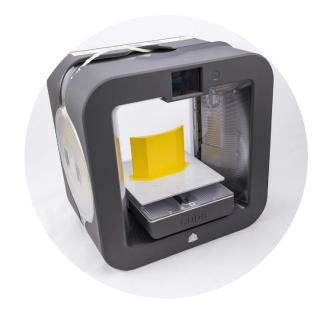


Traditional 3D printing has significant limits



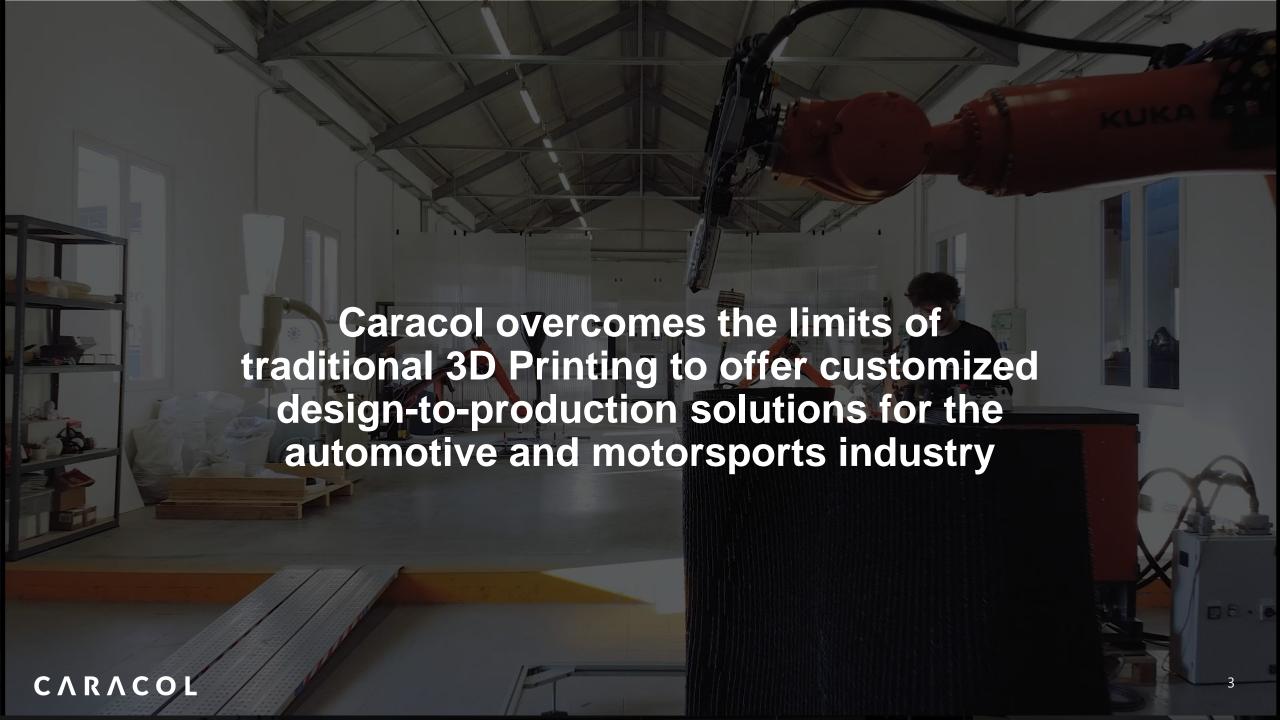
Impossibility to optimize design for 3D printing on **complex geometries**



Desktop Printers unable to work on **large dimensions** applications



Difficulty to process advanced materials & replace metals



Our Value Proposition

Integrated know-how across all core competences design, materials, hardware, software & industry

Our tech range covers all printing sizes, our proprietary robotic system prints large scale applications

We are a
1-Stop partner
for all advanced
Additive
Manufacturing
service solutions

Process an extensive range of materials: advanced polymers & carbon fiber for industrial applications

Envision and create innovative designs & techniques to print complex geometries & applications

Our Clients

























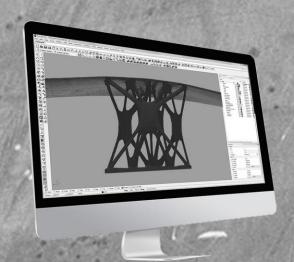




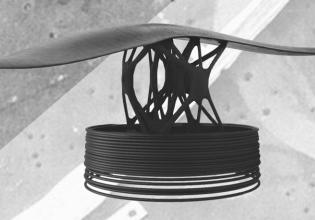




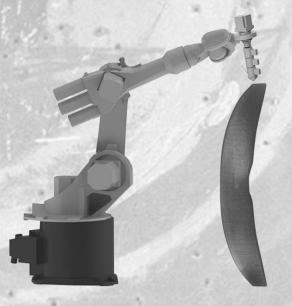
3 key pillars of our value proposition







Advanced polymers with Carbon Fiber



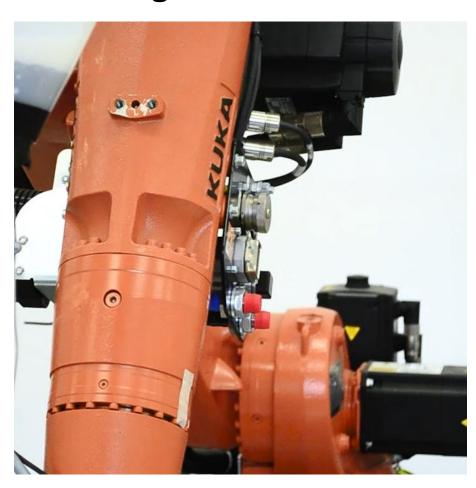
Industrial Printers & Proprietary Robotic System

On small and medium applications we adopt various of the most innovative industrial printers for production

Our know-how in parametric design and extrusion systems enables us to customize the printers to:

- Improve ability to reach best mechanical, thermal and chemical properties for clients' applications
- Produce objects with complex geometries, extreme accuracy, and precision

On top of working with state-of-the-art printers we patented our proprietary Additive Manufacturing Robotic System, that provides several advantages:



- Print large scale & complex geometries
- Better material adherence for best mechanical properties
- High precision, compactness and resilience, for industrial applications and metal replacement
- Significant raw material cost savings
- Ability to process wide range of materials
- Drastic reduction in production time
- Easy to use proprietary interface and control system

We work to provide a set of benefits to our clients

Up to 70%

Product
Cost Savings

Up to 60%

Waste Reduction

Up to 50%
Weight
Reduction

Full Customization at single unit level

Recycle Client's Production waste

Inventory & Logistics
Cost Reduction

Development TimeReduction

How We Work

Preliminary Study

customized study to assess client's needs

Engineering

optimize design, material and technology

Prototyping

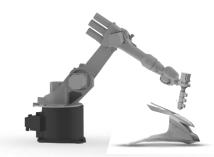
first units for necessary testing

Line Production

manufacturing series, up to 20'000 units







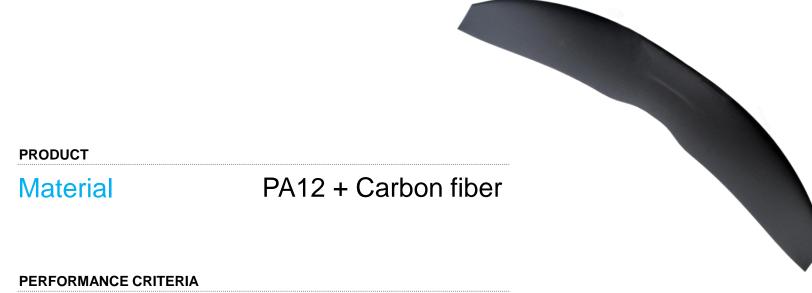


CASE STUDY

Luxury Automotive OEM

PRODUCT Rear Wing

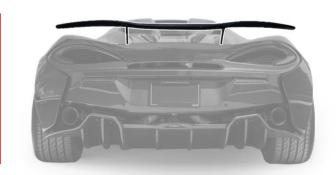
high performing, aerodynamic, rear wing in PA12 reinforced and laminated with carbon fiber



Weight 3.4 kg

Size 160 cm (w) x 40 cm (l) x 3.5 cm (h)

SAVINGS vs. CURRENT SUPPLIER	
Component Weight	33%
Cost saving	50%



What We Offer



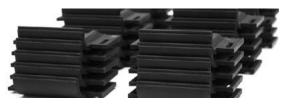
Product Re-Design for AM & New Product Development

We can bring to life all of your ideas, engineering them for AM production



Large Scale Pre-series Production and Prototypes

Our advanced robotic system prints high quality products in all sizes, up to 2x1.50x1.50m a piece



Line Production of Finished Parts

We can set up a manufacturing line to print up to 20'000 pieces per year



Support Internalizing 3D Printing

We assist you in understanding your needs, identifying and providing the best tech for you, we install it and provide after service assistance



3D Printing Training and Workshops

We train your employees in using 3D printing tech: how to plan projects, how to use machinery, how to identify and know materials

Our Team



Francesco De Stefano
Chief Executive Officer

Bocconi



Columbia
Business
School

5+ years in Industrial goods & manufacturing



Jacopo Gervasini
Chief Finance & Sales Officer



IBM

5+ years in Finance & Sales for start-ups



Giovanni Avallone Chief Design Officer



5+ years in Design for AM and 3D Printing tech



Paolo Cassis
Chief Operating Officer



5+ years in Design for AM and 3D Printing tech



Violetta Nespolo
Chief MKTG & Strategy Officer
Strategist at Interbrand
Marketing at Bocconi
Journalism at CUNY



Nicolò Bordoli Technology R&D Founder of Inventio Consulting



Vanessa Galliano
Office Administration
Manager
3+ years in HR, Recruiting



Andrea Baranzini
3D Printing Specialist
4+ years in 3D printing
production



Edoardo Puglisi
Design & Engineering
Industrial Design at
Politecnico di Milano



Luca Mazzetti
Design & Engineering
Industrial Design at
Politecnico di Milano



Davide Losa

Design & Engineering

Design & Engineering at

Politecnico di Milano



Simone Alzacuffi 3D Printing Specialist Industrial & Product Design at Politecnico di Milano

Francesco De Stefano Chief Executive Officer

francesco.destefano@caracol-am.com +39 334 6721692, +1 646 6628566

ITA: Headquarter

Via del Seprio, 42, 22074 Lomazzo (CO) Tel: +39 02.3329.9531

US: Entrepreneurs Roundtable Accelerator

415 Madison Ave, 4th floor New York, NY 10017