

Additive Manufacturing Specialist

Job Description

Company Description

Caracol offers extreme, Additive Manufacturing, solutions with no scale limits to companies in different industrial sectors.

The company has developed its own Large-Scale Additive Manufacturing Robotic system, that with a patented extrusion head, proprietary algorithms and the use of robotic arms, can manufacture advanced components with no limits in scale. The flexibility of the robotic system allows not only to manufacture very large-scale parts but also complex geometries and parts with improved mechanical performance. Caracol provides a solution that saves production costs, reduced production lead time, and limits production waste to a minimum and can reutilize the waste produced.

By using a direct printing system, Caracol works with a wide variety of advanced composite materials – mostly techno polymers like PP, PPS and PA12 reinforced with fibers like carbon and glass. Thanks to our deep know-how and strategic partnerships with material producers, our Design & Engineering team identifies the best fitting material and technology to manufacture our client's applications.

Caracol's team combines a deep expertise in generative design and additive manufacturing, with an extensive knowledge of the industrial goods sector. Using very advanced design and analysis tools to optimize design for additive manufacturing according to the required performance. We work with clients accompanying them throughout the production process, supporting them by facilitating their getting to know the technologies and the opportunities of Additive Manufacturing.

We have been working with customers from industries such as Automotive and Motorsports, Aerospace and Defense, Industrial Machinery, Medical Devices, Design and Architecture. We offer our clients a broad range of solutions: from design and concept development, engineering components for AM production, manufacturing prototypes and pre-series with no limit in scale, line production of finished parts, as well as support in internalizing 3D printing technologies, 3D printing training and workshops and more.

Caracol has just closed a 3.5M Euros funding round with 2 Venture Capital Funds and several top tier business angels and it is now launching an ambitious growth plan to consolidate its role as leader in the Large-Scale Additive Manufacturing industry.

Job Type

- Internship, Full time
- Possibility of full-time placement at the end in case of positive performance

Contacts

info@caracol-am.com
www.caracol-am.com
+39 0362 283 204

Address

Via Marisa Bellisario 6C,
Barlassina (MB)
20825 - Italia

CARACOL

Main activities

- 3d model slicing
- 3d printing parameters setting
- 3d printings end-to-end management
- 3d printers' calibration
- 3d printers' ordinary maintenance (e.g., cleaning, extruders, belts, printing plates, ...)
- Extraordinary maintenance (e.g., components replacement, ...)
- Contacts with 3d printers' assistance services
- Contacts with raw materials providers
- Material inventory management (i.e., direct contact with filament suppliers to manage orders)
- Raw material providing
- Soft post-processing activities (e.g., support removals, manual sanding, ...)
- Soft quality control activities (e.g., planarity, measurements, ...)

Operational Skills Required

- Good experience with slicing software (Cura, Simplify)
- Basic experience with CAD systems (e.g., Rhinoceros, Fusion 3D, Autocad, Inventor, ...)
- Good end-to-end knowledge on how to manage FDM and FFF 3D printers
- Good knowledge on materials for FDM and FFF 3D printing
- Basic end-to-end knowledge on how to manage SLA 3D printers (Formlabs)
- Basic knowledge on materials for SLA 3D printing (Formlabs)
- Experience with maintenance of SLA, FDM and FFF 3D printers
- Basic knowledge of FDM and FFF 3D printers' electronics
- Basic knowledge of the English language
- Experience with Microsoft Office

Soft Skills required

- Teamwork
- Analytical skills
- Organizational skills and self-management of time and activities
- Proactivity
- Flexibility in adapting to different tasks and to a dynamic working environment

Place of work

- Via Bellisario 6C, 20825, Bellisario (MB), Italy

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