

Industrial Engineering 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 contract depending on experience

Contacts

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Address

Via Marisa Bellisario 6C,
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20825 - Italia

CARACOL

Main activities

- Support the Industrial Engineering department in major projects regarding 3D printing
- Work with the production department and study the company's production processes, developing a good understanding of 3D printing and robotics technologies
- Support the Industrial Engineering department in carrying out all the activities of analysis, monitoring and drafting of the main technical KPIs
- Curate and draw up the manuals on industrial machinery used (e.g., 3D printers, robots), specifically: technical manual and calibration manual for machinery / 3D printers
- Support the Quality dept. in drafting procedures on the company's internal processes (Production, D&E, etc.) and the related technical documentation
- Collect and process data and information to be included in the documentation, collaborating directly with the Quality, Production and R&D departments
- Explain the processes and technical information collected in a clear and concise way, with the aid, where necessary, of 3D and 2D mechanical drawings
- Update technical documentation to meet business requirements and industry standards

Operational Skills Required

- Degree in Industrial Engineering (e.g., Mechanical, Aerospace, Materials or Management Engineering)
- 1-3 years of experience in Industrial Engineering or Quality role in industrial Company (Additive Manufacturing preferred)
- Strong interest and passion for 3D printing
- Knowledge and use of the Microsoft Office package
- Basic knowledge of the main 3D simulation software
- Knowledge of correct technical terms
- Knowledge of the English language

Soft Skills required

- Organizational skills and self-management of time and activities
- Teamwork
- 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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