

# **JOB DESCRIPTION**

Mechanical Design Engineer

**rheavita.com**  
Poortakkerstraat 9C  
9051 Ghent, Belgium



## Working job title:

Mechanical Design Engineer

## Basic function:

At RheaVita, we develop and engineer advanced equipment for the pharmaceutical industry—machines with highly dynamic, continuous-motion systems. The challenge is not just precision, but designing kinematic systems where every movement is reliable, synchronized, and efficient. By developing this technology, you'll be contributing to the global mission of making medicines safer and more accessible, work that directly supports better healthcare worldwide.

- As a Mechanical Engineer at RheaVita, you will play a key role in turning innovative concepts into reliable machine designs that drive pharmaceutical progress.
- Meaningful impact: Your work contributes directly to pharmaceutical innovation, with a tangible effect on global health.
- Startup drive: Join a small, ambitious team where your creativity and designs shape the future of our machines.
- Room to grow: We'll provide training in pharma-specific design requirements (materials, welding standards, vacuum design), while you bring your engineering mindset and problem-solving skills.
- Location advantage: Based in Ghent, in the heart of Flanders' innovation ecosystem.
- Enthusiastic and collaborative colleagues forming an open-minded team

## Organization location:

Based: HQ Ghent

Reporting to the System Architect

## Qualifications:

- Master's or Bachelor's degree in Mechanical Engineering, Electromechanical Engineering, Industrial Science or Master's degree in Product Development.



- Demonstrated experience in kinematic or motion-based machine design (automation, robotics, conveyors, packaging, or special machinery).
- Bonus: experience in pharma or other high-spec manufacturing environments.

## Responsibilities:

As a Mechanical Engineer at RheaVita, you will:

- Design and develop mechanical components, welded structures, and subsystems, focusing on motion and kinematic systems (linkages, conveyors, synchronized mechanisms, etc.).
- Contribute actively to concept development and problem-solving for innovative machine designs.
- Apply risk analysis methods such as DFMEA, and carry out structural or thermal assessments where needed.
- Work with fabricated and welded constructions, meeting pharma-specific material and surface-finish requirements (training provided where necessary).
- Use 3D CAD software (e.g. SolidWorks) to create designs that are robust and manufacturable.
- Integrate vacuum requirements into every design—this is part of all our machines. Prior experience is valuable, but we will teach the specifics.
- Collaborate with external partners for electrical boards and wiring; knowledge of electrical layouts is not required but is a strong asset.

## Competencies:

- Solid foundation in mechanical design, especially in kinematic or motion-based systems.
- Experience or strong aptitude in concept development, DFMEA, and structured problem-solving.
- Proficiency with 3D CAD (e.g. SolidWorks).
- Willingness to learn and apply vacuum-system design principles.
- Knowledge of welding and fabricated structures is important.
- Knowledge of electrical boards and wiring is a plus (work executed externally, but beneficial if you can interact with it).
- Team player



## What's in it for you?

You will be part of a highly focused, fast-growing company. If you are ready to roll up your sleeves, you will get all the support you need to make you successful.

At RheaVita we aim to recruit the best people, who stand out among their peers, with passion, integrity and strong interpersonal and organizational skills.

Our employees are the strength behind RheaVita.

RheaVita offers a competitive remuneration package and a contemporary, flexible work environment.

We are RheaVita: together we redefine pharmaceutical lyophilization.



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