# VACANCY: MECHANICAL DESIGNER

**Job category** Engineering  
**Employment** Fulltime  
**Location** Eindhoven, NL  
**Industry** High Tech, Engineering, Medical & health

## About Preceyes
Preceyes B.V. is a Dutch medical robotics company focused on ocular surgery. We develop, build and commercialize innovative robotic solutions to assist eye surgeons in performing the most demanding surgical tasks. Our first target are vitreoretinal diseases, which are the number 1 cause of visual impairment in developed economies. Our award-winning and CE approved PRECEYES Surgical System enables the development of new, high-precision treatments and broadens access to the most delicate surgical treatments.

## Job Overview
We are looking for a mechanical designer to strengthen our team, to help us expand the range of surgical instrumentation, improve the robotic product, and participate in R&D projects. This job includes participation as an Early Stage Researcher (ESR) in a 4-year Innovative Training Network project. The project partners are developing new technology based on Liquid Crystals. Preceyes participates as an industry end user. You will provide requirements for surgical instruments and facilitate experimental validation. This includes a two-month visit to the Spanish National Research Council (CSIC).

## Responsibilities
- Expanding and maintaining Preceyes’ range of surgical instruments
- Designing components for the robotic device
- Participating in R&D projects, optionally also involving optical engineering tasks, since we are developing a distance sensing instrument based on Optical Coherence Tomography
- Translating user requirements into product requirements
- Validating components with end users via (non) clinical testing
- Managing the accounts with customers that use the Preceyes technology in their research projects. Providing technical support in the field. Monitoring the use of Preceyes’ installed base, by regular contact with the users. Solving problems regarding the operation of the system.
- Translating user requirements into product requirements such as new surgical instrumentation

## Qualifications
- Master of Science degree in engineering
- Affinity with mechanical design, preferably fine mechanical design such as surgical instrumentation and/or optical engineering
- Internationally oriented with a willingness to travel
- Affinity with customer interaction and end-users
- Efficient, practical, solution-oriented and result-driven while dealing with deadlines and milestones. Having a mentality and work attitude matching a start-up environment
- Affinity with project-oriented work, establishing a project’s roadmap and monitoring the progress
- An independent attitude whilst being an excellent team player
- Passion for work and flexibility in your working environment
- Eligibility criteria for the ITN project, at the date or recruitment
  - Less than 4 years of research experience

*The candidate must be within the first four years (full-time equivalent research experience) of their research career and not have a doctoral degree. Full-time equivalent research experience is measured from the date when they first obtained their MSc degree. Time spent in industry not related to research does not count towards the 4 years of research experience (in FTE).*
The applicant must not have resided in the Netherlands, for more than 12 months, during the last 3 years prior to the signing her/his contract with Preceyes (called the ‘mobility rule’)

- English level: proficient in speaking and writing
- Availability starting between June – September 2021

We offer

- The opportunity to contribute to robot-assistance for eye surgery and to become the specialist on Preceyes’ surgical instrumentation and/or optics
- Work in a dynamic start-up environment with room for initiative
- A comprehensive, interactive and international training program including a series of research-specific, complementary and soft skill aspects, that involve both the academic and industry sectors
- An employment of 1.0 FTE (40 hours per week) with a competitive salary
- A mobility allowance and a family allowance (where applicable) as part of the employment package

Preceyes is located in Eindhoven, the Netherlands and leverages the mechatronics capability of the Dutch Brainport region. This mechanical designer position is an on-site position in Eindhoven, the Netherlands, and requires an intensive day-day working relationship with the team.

For questions about the job, please contact Maarten Beelen, CTO Preceyes: maartenbeelen@preceyes.nl

For applications, please visit the Storm-Bots website. See the More Information section below.

**Application deadline: April 11th, 2021**

Preceyes, March 2021

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**More Information**

- Link to the Guide for Applicants and instructions how to apply: [https://storm-bots.eu/esr-positions](https://storm-bots.eu/esr-positions)
- Preceyes website: [www.preceyes.nl](http://www.preceyes.nl)

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