

From customised CAD/CAM-based turned, milled and additive manufactured parts and components to entire electronic systems, assemblies, devices, instruments and tools for medical, optical, semiconductor, electronic and photonic applications

Summary

Profile type	Company's country	POD reference
Technology request	Germany	TRDE20230928001
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement with technical assistance	<ul style="list-style-type: none">• Switzerland• Austria• Netherlands• Denmark
Contact Person	Term of validity	Last update
<u>Alice MOROSINI</u>	28 Sep 2023 27 Sep 2024	28 Sep 2023

General Information

Short summary

A German engineering company specialised in customised CAD/CAM-based turned, milled or additive manufactured, high precision parts and components for electronic systems, assemblies, devices, instruments and tools in the medical, optical and photonic sector wants to further develop its portfolio. Therefore, they are looking for device developers and manufacturers in these fields in order to jointly develop entire systems, devices, instruments and tools based on technical cooperation agreements.

Full description

A German engineering company is specialised in the customised CAD/CAM-based manufacture of turned, milled as well as additive manufactured parts and components of very high precision for integration into medical, optical and photonic devices. Currently, the company offers single parts as well as small and medium series production. Customers include well-known corporations in Germany and Switzerland.

The company would like to further develop its portfolio and get involved in the development of entire electronic systems, assemblies, devices, instruments and tools according to customer requirements. This includes all development steps from the technical specifications, product design and development, material selection, the optimal

manufacturing process, prototype construction, EMC testing, product validation as well as the preparation of operating and service manuals. The objective is to achieve system readiness for series production as well as their commercial exploitation.

The company has both the latest 3D CAD, CAM and 3D printing software as well as the necessary technical staff for high-precision and rapid product development from the initial idea to market maturity. With regard to mechanical engineering and tool construction, the company can offer interdisciplinary solutions for the implementation of customer requirements such as electronics, optics and mechanics.

The company is looking for developers of devices as well as scientific and technical instruments and tools in the medical and photonics sector for joint product development, validation and exploitation.

Cooperation is envisaged with partners from Switzerland, Austria, Denmark and the Netherlands.

Advantages and innovations

Technical specification or expertise sought

The company is looking for developers of devices as well as scientific and technical instruments and tools in the medical and photonics sector for joint product development, validation and exploitation.

Stage of development

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 17: Partnerships to achieve the Goal**

IPR Status

Partner Sought

Expected role of the partner

The company is looking for device, scientific and technical instruments and tool developers in the medical and photonics sector for joint product development, validation and exploitation. This includes all development steps from the technical specifications, product design and development, material selection, the optimal manufacturing process, prototype construction, EMC testing, product validation as well as the preparation of operating and service manuals. The objective is to achieve system readiness for series production as well as their commercial exploitation.

Cooperation is envisaged with partners from Switzerland, Austria, Denmark and the Netherlands.

Type of partnership

Type and size of the partner

Commercial agreement with technical assistance

• SME ≤ 10

Dissemination

Technology keywords

- **02003006 - Prototypes, trials and pilot schemes**
- **02001 - Design and Modelling / Prototypes**
- **02003003 - Component integration**
- **02002010 - Machining (turning, drilling, moulding, planing, cutting)**
- **01001001 - Automation, Robotics Control Systems**

Targeted countries

- **Switzerland**
- **Austria**
- **Netherlands**
- **Denmark**

Market keywords

- **02002001 - CAD/CAM, CAE systems**
- **03007003 - Other analytical and scientific instrumentation**
- **09003001 - Engineering services**
- **05004004 - Medical instruments**
- **02007011 - Manufacturing/industrial software**

Sector groups involved