Cutting-edge industrial 3D scanner for rapid, highly accurate in-line process and product scanning and analysis in high-precision component production, reverse engineering or research & development

Summary

Profile type	Company's country	POD reference
Technology offer	**Germany**	**TODE20250709039**
Profile status	**Type of partnership**	**Targeted countries**
PUBLISHED	**Commercial agreement with technical assistance**	**• World**
Contact Person	**Term of validity**	**Last update**
Enrico FRANZIN	**9 Jul 2025** **9 Jul 2026**	**10 Jul 2025**

General Information

Short summary

A German SME offers a cutting-edge industrial 3D scanner designed for rapid, high-precision in-line process and product scanning and analysis based on automated 3D data acquisition with exceptional accuracy and rapid data capture via bluelynes ® technology. Applicable in high-precision component production, reverse engineering or research & development. Industrial partners in aviation and space, automotive, and electronics are sought for commercial agreement with technical assistance.

Full description

Processes in all precision industries require highly accurate quality monitoring.
A German SME has developed a cutting-edge industrial 3D scanner designed for rapid, high-precision process and product scanning and analysis applicable to various industries. The 3D scanner allows reliable, automated 3D data acquisition with exceptional accuracy and rapid data capture via bluelynes ® technology, were ever detailed quality and process control is needed - in high-precision component production, reverse engineering or research & development.
The company offers tailored solutions for many industries such as aviation and space, automotive, and the vast field

of electronics manufacturing. These solutions include customized scanning parameters, integration into existing production systems and scalable solutions that develop and grow with the business.
The industrial 3D scanner provides enhanced manufacturing efficiency through automated in-line, at-line, and off-line inspections, enabling non-contact quality control with superior precision.

- At-line Inspection: Quick verification stations adjacent to production for rapid sampling
- In-line Inspection: Seamless integration into production lines for real-time quality control
- Off-line Inspection: Comprehensive analysis in dedicated quality control environments

The space-saving scanning system is designed for seamless integration into research and development workflows and industrial environments.
The company is looking for industry partners in the aerospace, automotive and electronics manufacturing sectors, as well as other industries, to integrate the 3D scanner into their production and quality control processes.

Advantages and innovations

- Speed: > 15 point clouds per second
- Scanning of moving objects (e.g. for in-line processes)
- Sub-micometer resolution for microscopic 3D imaging

Advantages: ultra-fast, high-resolution 3D scanning for industrial applications, ensuring detailed and accurate measurements in real time, automated 3d quality control, enhanced manufacturing efficiency with automated in-line, at-line, and off-line inspections, enabling non-contact quality control with superior precision.

- At-line Inspection: Quick verification stations adjacent to production for rapid sampling
- In-line Inspection: Seamless integration into production lines for real-time quality control
- Off-line Inspection: Comprehensive analysis in dedicated quality control environments

More advantages: compact and flexible design, designed for R&D and industrial environments, space-saving setup while maintaining high-performance scanning capabilities
Innovations: embedded system, customized solutions, modular and scalable regarding resolution, field of view, distance

Technical specification or expertise sought

Stage of development

Already on the market

IPR Status

IPR applied but not yet granted

IPR Notes

IPR is also partially granted already

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**

Partner Sought

Expected role of the partner

The company is looking for industrial partners in aviation and space, automotive, and electronics manufacturing in all relevant sectors. The envisaged partner will integrate the new 3D scanning technology into their production & quality control processes. The company provides technical advice as well as support in system integration. The envisaged type of cooperation is a commercial agreement with technical assistance.

Type of partnership

Commercial agreement with technical assistance

Type and size of the partner

- **Big company**
- **SME 50 - 249**
- **SME 11-49**
- **SME <=10**
- **Other**

Dissemination

Technology keywords

- **01003012 - Imaging, Image Processing, Pattern Recognition**
- **02003001 - Process automation**
- **02003003 - Component integration**
- **09001007 - Optical Technology related to measurements**

Market keywords

- **03007003 - Other analytical and scientific instrumentation**
- **02007016 - Artificial intelligence related software**
- **02004001 - OCR (optical character recognition)**
- **02006004 - Data processing, analysis and input services**

Targeted countries

- **World**

Sector groups involved

- **Electronics**