

Why with Helbling

We give you immediate access to a highly qualified and multidisciplinary team that supports your product development.

You reap the benefit of our extensive expertise in developing industrial and medical products. You can depend on a unique partner capable of managing all technical aspects of your product development with the highest efficiency.

We ensure that your product is developed and documented in line with the latest industrial and medical standards. We transfer full control and ownership of the design and intellectual property developed during the collaboration.

Helbling – your exclusive, independent contract engineering partner for industrial and medical product development.



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Innovation is our driving force

Founded in 1963, Helbling Technik currently has more than 390 employees in Switzerland, Germany, USA and China.

Helbling Technik is part of the Helbling Group and functions as a long-term partner in its customers innovation network, under the motto “Innovation, together we do it”. The company’s engineers, IT experts and physicists use high-performance engineering tools, the latest infrastructure including laboratories, as well as high-quality professional approaches to generate new ideas, implement state-of-the-art technologies and develop successful new products.

Contact

Helbling Technik Bern AG

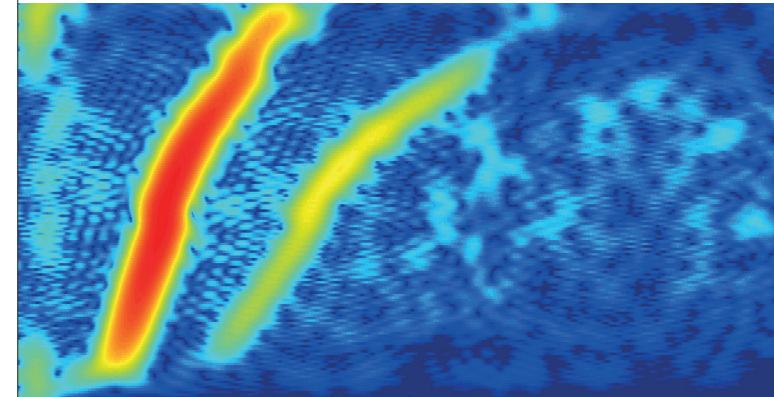
Stationsstrasse 12
CH-3097 Liebefeld-Bern, Switzerland

www.helbling.ch



Matthias Pfister
Head of Development Team
Optical Data Science
matthias.pfister@helbling.ch
Phone +41 31 979 16 11

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Optical Data Science

Are you looking for an algorithm uniquely tailored to your optical system? Do you plan to benefit from cutting-edge data processing methods in your medical product?

Benefit from Helbling’s holistic approach for your data science challenges. Contact us today - Helbling has the answer!

Helbling Technik

Innovation, together we do it

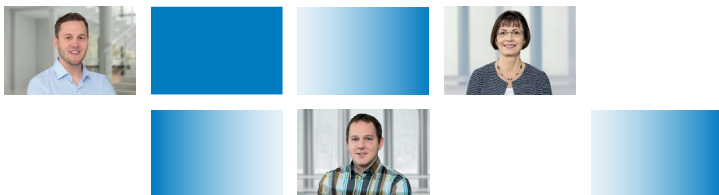
A broad spectrum of competencies and expertises

Our team of engineers and scientists develops comprehensive solutions to tackle your optical data science challenge. We have the ability to quickly set up a dedicated and agile R&D team.

Our competencies include:

- Signal analysis and processing
- Optical signal modelling
- Machine learning
- Simulation of measurement systems
- System engineering for optical measurement instruments
- MedTech standards and processes

Leverage our specific skills and technical experience to find the best solution for your product.



A team combining creativity, technology and experience

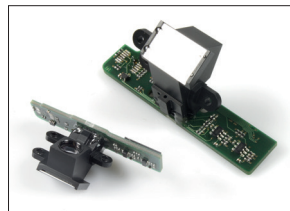
We develop high-tech products including smart algorithms for a wide range of applications.

Medical instrumentation

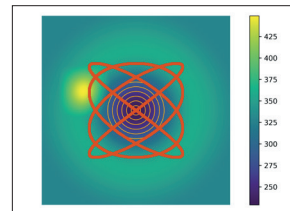
- Eye diagnostics, e.g., optical coherence tomography
- Physiological data processing
- Predictive medicine

Industrial metrology

- Auto-focus modules
- Quality inspection
- Augmented reality



Autofocus module for DSLR camera



OCT scanning pattern

A professional infrastructure and laboratories



Comprehensive set of engineering and scientific software packages for:

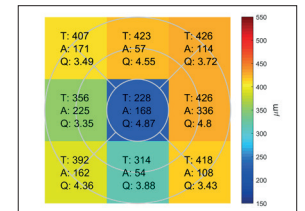
- Algorithm development
- Optical design
- Electronics (hardware/embedded software) design
- Mechanical / micro-mechanical design
- Multiphysics simulation

Fully equipped laboratories for:

- Mechanical, electrical, optical, acoustic and system testing
- Metrology
- Modelling / prototype adjustment



Algorithms written with modern tools



Data clustering and representation