



MARCH 20-23, 2018 | COLOGNE, GERMANY

ANUGA FOOD TEC

Booth F-039 • Hall 7.1

Opto Engineering®, Optical imaging technologies

Opto Engineering® **THE TELECENTRIC COMPANY**, has evolved through the years, releasing hundreds of new, diverse products and developing multiple areas of expertise. Today we can say that we specialize in **OPTICAL IMAGING TECHNOLOGIES**. Our focus is to build and provide every component needed to solve imaging applications:

starting from our know-how in optics and competence in lighting, we can supply the best combination of tools available on the machine vision market. For all of these reasons, Opto Engineering® has become the partner of choice in high-end optical applications for many of the major machine vision companies worldwide.

Opto Engineering®, OPTICAL IMAGING TECHNOLOGIES.

Optics, Lighting, Cameras, Software, Accessories & Vision systems.



OPTICAL IMAGING TECHNOLOGIES



OPTICS

Adaptive lens for fast focusing, A0 series • **NEW**

Dynamic industrial inspections need advanced technology to maintain focus in challenging applications. Adjusting the focus of a camera on a robot arm, or tracking items across the field of view, are common examples where active focusing is required.

For this reason, Opto Engineering® has developed a small plug-and-play focusing lens with embedded optics and electronics. Adjusting focus on the fly has never been so easy.





Creating your own Vision Application has never been easier: FabImage Studio and Libraries • **NEW**

Together with optics, lighting, and cameras, software is a critical step in developing a vision system. Software is essential to correct, process, and analyze images, ensuring that the output of a vision system satisfies the inspection requirements. With a low-level programming approach, e.g. C++ combined with machine vision dedicated libraries, you can have total freedom. But, it requires a highly skilled and dedicated resource.

That's why Opto Engineering® FABIMAGE STUDIO is the perfect solution for software development!

FABIMAGE STUDIO is a software tool for machine vision engineers that will assist you in creating your application. It follows a natural logic flow - from input to output - combined with one of the most powerful libraries in the market, with 1000+ functions.



Artificial Intelligence works where all the others fail: PENSO®, AI based vision unit • **NEW**

For some applications, the usual programming approach just doesn't work. Golden reference and perfectly repeatable conditions are necessary. Algorithms require intensive fine-tuning and lots of attempts. But thanks to Opto Engineering® PENSO®, the Artificial Intelligence based vision unit, the problem is solved! PENSO® is designed to work on unpredictable variations and defects, as well as on objects difficult to model or without a golden reference. As a human operator would do after observing some samples, PENSO® understands what will be considered normal and acceptable. Since neither modeling nor programming is needed, with just some elementary configuration tools you can immediately understand if an application is feasible or not with just some elementary configuration tools and really save a lot of time.



Contact us

EUROPE

Opto Engineering Europe headquarters

Circonvallazione Sud, 15
46100 Mantova, IT
phone: +39 0376 699111
contact@opto-engineering.com

Opto Engineering Germany

Agnes-Pockels-Bogen 1
80992 München, DE
phone: +49 0 89 18930918
de@opto-engineering.com

Contact for more info:

Elisa Guernieri Head of Communication

mobile +39 344 1741076
skype oe.marketing
linkedin <https://www.linkedin.com/in/elisaguernieri>

