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## 3D measurement systems



3D-measurement systems are also part of insensiv's product portfolio. Depending on the task the methods used are based on either stereo-camera systems or laser sectioning, which uses the triangulation method and a unit composed of a camera and a laser. In addition, insensiv also offers a pattern generator process and the time-of-flight method.

The stereo method is used when only a snapshot is possible for an online evaluation, when the color information is relevant, or if the object is partially transparent, as for example in the measurement of bottle-crates of bottles.

Laser sectioning is preferably used when a continuous speed of the object to be measured or the measurement system is given.

Aside from making 3D-data available, insensiv's systems also offer an internal evaluation of this data and corresponding control of actuators. Especially the stereo systems are customer specific solutions, where the cameras, lighting, and casing make up one cohesive unit. The resolution of the image sensors as well as the computing power are scaled according to your specific task, and we offer 3D-systems with color and grayscale sensors. These can be designed for both indoor and outdoor use.

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