



SCANNING TECHNOLOGY

The technology of non-contact laser scanning is actively developing worldwide. Various industries and science demand new applications for laser scanners. For example, the development of cognitive technologies in robotics has led to further improvement of contactless control technologies.

LASER SCANNERS

BASIC SPECIFICATIONS

Laser: red (658 nm), blue (450 nm), green (532 nm), and infrared (808 nm)

Housing: compact, standard and large

Frequency: 60Hz – 1.7kHz

Scanning Precision: 0,005..0,1 mm

Interface: Ethernet 1Gb/100Mb

Power Supply: 12-36V, 5W

Class: IP67

Additional options: IP68, protective glass, quick-release fastenings, air blowing and cooling

Software: AN Viewer and special software tailored for many industrial applications including welding control, robotics, CNC machines, automation, etc.





Principle of operation:

- The radiation of a semiconductor laser is formed as a line and projected onto an object.
- The radiation dissipated on the object by the objective is going on two-dimensional CMOS-matrix.
- The resulting image of the contour of the object is analyzed by the signal processor, which calculates the distance to the object (Z coordinate) for each of plenty of points along laser line on the object (X coordinate).



Possibilities

The scanner is intended for
contactless measurement and
control



Of the profile of the surfaces,
locations, moving, sizes as well
as for definitions of defects in
the objects.



Mapping of their locations as
well as for recognition of
technological objects.



Construction and 3D
modelling.



Application of our laser products



Manufacturing of
products from metal
and polymers



Electronics
contract
manufacturing



Food
industry



Transport and
logistics repair
sector



Manufacturing
and other
companies



Additional options



SDK, service software:

We support all our products during its life time by the means of its development and our unique software for its set-up and parametrization.



Embedded custom software:

With the help of our SDK we provide the opportunity to run custom programs in the scanner.

