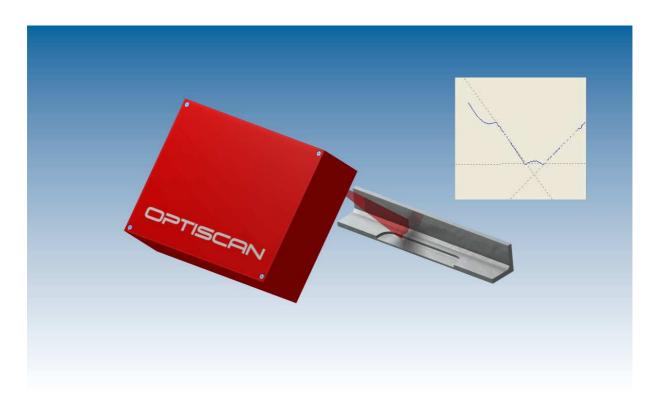
Non-contact Laser Measuring System



OPTIscan

The non-contact, dimensional laser scanner **OPTIscan** is a special version of a **OPTImess** sensor.

In the **OPTIscan** the laser beam is projected on the object in the form of a line by an optical system. Using a second mirror on the same axis deflects the received beam onto the detector.

This enables the vertical distance to be measured precisely along a line. The horizontal position is determined by an angle measuring system at the mirror inversion axis.

This type of sensor is useful for many applications in which a standard **OPTI***mess* sensor has to be moved horizontally by mechanical means.

Typical applications for the **OPTIscan** are:

- welding seam inspection
- profile measurements
- geometry measurement
- gap determination
- rail head measurements





