

Optical Double Sheet Detection System - L20

Dual Head Double Sheet Detection System for metals and non metal materials



Our new innovative Double Sheet Control System is based on optical sensors, which work according to the principle of triangulation.

High precision optical sensors were adapted in such a way by Roland Electronic, so that for the first time a complete monitoring of the measuring system is possible.

Therefore it was necessary to develop a method and a device, which always makes the laser beam and its adjustment controllable.

The solution consists of an integrated photo receiver without any disturbance of the laser beam.

Your advantage

Double sheets can be monitored with maximum process reliability and maintenance-free. Due to the laser measuring technique the system is suitable for all opaque materials with a single sheet respectively a layer thickness from 0.3 to 15 mm (.012 to .590 in). It is insignificant whether the material stands still or is transported during the measurement process.

Sensor system LAAS40

A sensor system LAAS40 contains two laser distance sensors LAS40 and LAS40+, which are easily installed with a mounting kit and without the usual time-consuming adjusting of the laser beams.

This allows an outstanding process reliability, since a contamination or a misalignment of the laser is reliably detected.

The L20 control unit is delivered with all common fieldbus interfaces. The communication with your PLC is based on the standard protocol of all ROLAND Double Sheet Detection Systems and this makes integration into your press automation easy as never before.

For more information please contact us.

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