

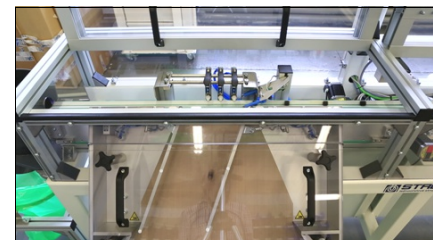
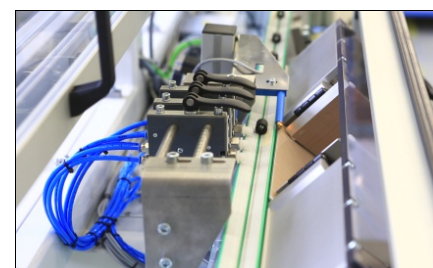
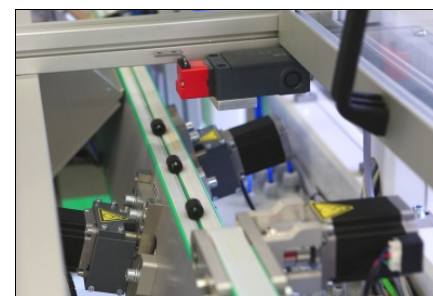
Description

The automatic equipment is used to check the length of chopped rubber profiles. Individual parts are transported to the machine from the preceding cutting machine by means of a continuous three-sided conveyor belt. The length of the profile is measured during the transport in a non-contact manner by a pair of precise light barriers. The profiles of the correct length are blown on the sorting station from the conveyor belt into a sorting unit by an air nozzle.

The sorting unit arranges the guidance of OK-parts into one of two bins prepared for OK-parts. The profiles the length of which is out of tolerance (non-compliant parts) are transported by the conveyor belt up to its end where they are dropped into a Not-OK parts bin.

Equipment and options:

- The equipment is constructed on a welded steel frame which is fitted with height-adjustable feet and with securing wheels for movement options.
- The equipment makes it possible to measure extruded profiles of diameters from 15 up to 26 mm and lengths from 15 mm on.
- The speed of measurement is such that it makes it possible to process the parts chopped from the extruded profile at the speed of up to 6 metres a minute.
- The number of measured and sorted out parts is up to 6 pieces a second.
- Movable parts of the machine are covered with transparent covers with limited access while the equipment is in operation.
- The control equipment includes a scanner for the operator to log on and to read up the data on the manufacturing lot.
- Polypropylene bags of 80 litres in volume are used as bins for finished parts. Having a bag been filled up, the equipment will print out a sticker with identification.
- The machine is managed by a PLC with a touch screen and with application software.
- All data measured on the parts are recorded by a data logger into the database of manufacturing lots and this database is shared within the LAN network.



Basic technical data:

Length:	2600 mm
Width:	910 mm
Height:	1660 mm
Weight:	550 kg
Power supply:	1 NPE 230 V AC 50 Hz TN-S