Parts sorter

HS 100

Horizontal sorter
for cylindric parts

Customer's wishes - our specifications
You want to quickly and reliably inspect your cylindrical mass-produced parts fully automatically with the highest standards of surface and dimensional accuracy. Then we have the solution for you:

- 360° all-round surface inspection
- High-precision part measurement

Your benefits
The HS 100 is a fully automatic testing system. The customised test stations allow a wide range of test criteria to be checked. The component feed consisting of a hopper and spiral conveyor allows unmanned operation for hours.

- Complete inspection of up to 6 parts/second
- Intuitive operation of the entire system
- Direct connection to packaging machines

HS 100 - Reality
The test area of the HS 100 allows the installation of several test stations. The simple conversion of the system makes it possible to check different components. The precise parts tracking allows the direct connection of packaging machines.

-A wide variety of cameras and lighting systems are used depending on the inspection characteristics.
- System dimensions (LxBxH):
  ca. 2.130 mm x 1.250 mm x 1.800 mm
  (without belt hopper)

Teilesortierer

HS 100

Horizontal sorter for cylindric parts

Hopper / bowl feeder
The parts feeder for the HS 100 is designed according to type and customer requirements. The hopper capacity is a measure for unmanned system operation.

- Bunker capacity of over 1000 L
- Automatic fill level check for all containers in the system

Test space / test stations

The test space is designed so that several test stations (cameras/ illumination) can be realised. This enables testing in both bright and dark field.

- The number of test stations has no effect on the test time
- Simple station changeover due to control joint markings
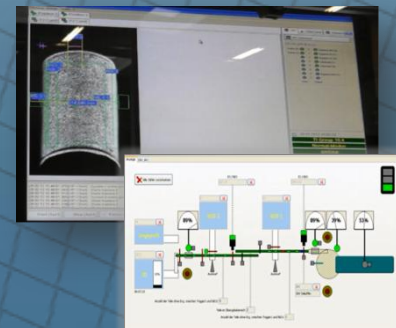
Turning station / ejection
The turning and ejection of parts is realised by an innovative mechanical concept at 100% transport speed. Parts tracking is guaranteed at every station in the HS 100.

- 360° all-round surface inspection thanks to innovative turning station (360 parts/minute)
- Passive locking of the good branch prevents fault slippage

Software
The HS 100 uses the standard software from DVS. An intuitive operating concept supports the customer's own teach-in of new components.

- Self-explanatory visualisation of the system status
- Test result display directly in the test image
- Error image storage with time stamp