

High speed diagonal sorting machine for cylindric components

DS 200



Fast quality control

To check the quality of cylindric mass produced components fast, part specific and reliable to the highest error detection levels. The system is used when surface quality and size measurement are important features to monitor.

The 360° all around surface check and high-precision measurement in one machine

Benefits

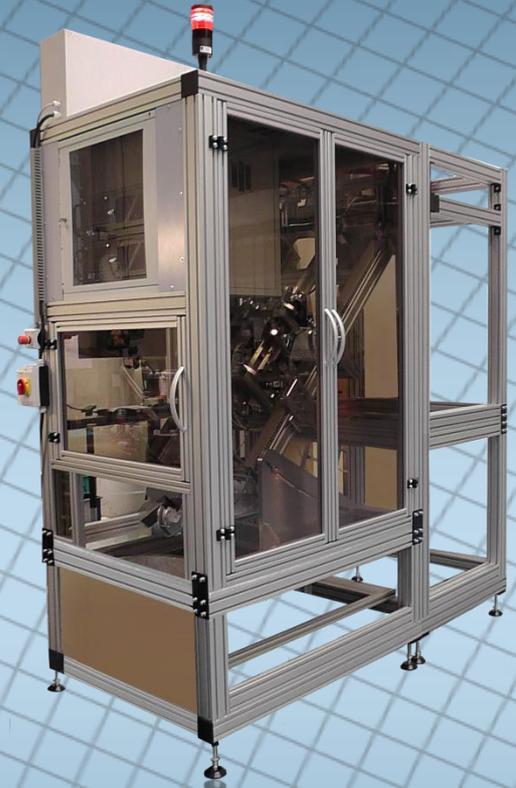
A fully-automatic inspection with part tracking with the highest sorting output. **DS200** offers unattended operating over many hours incl. statistics about the checked components. **DS200** is designed to feed packaging machines.

- Complete check of up to 600 parts/min.
- Intuitive system handling with graphical system check also to be displayed on mobile devices.

High functionality and flexibility

DS200 is an inspection machine with several test units in the test bench and with very high sorting output. A customer-specific part supply, for instance a bunker and centrifugal feeders, allows the system to operate in “ghost shifts”.

- Fast process change over to other products
- Controlled part tracking over several test units
- Machine dimensions (WxBxH) ca. 2.100 mm x 1.020 mm x 2.250 mm



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Test unit

The number of test units and their design depends on test criteria and on part features. All test units work parallel and without clock cycle loss.

- Bright/dark field surface check
- High-precision measurement with telecentric measurement system
- An eddy current tester to detect internal material errors, can be added



Output

Part tracking is realised in the input as well as in the NOK-/OK- output. A passive OK-output interlock avoids parts to slip through in case of system error.

- Component expulsion by 100% rate of feed.
- Complete part tracking over the complete machine
- Fill level observation of all containers



Software

DS200 uses DVS standard software. The intuitive operating concept supports easy new product teaching by the user. The standard system diagnostics allows information transfer also to mobile devices.

- Automatic system analysis and self-explanatory system state visualisation .
- Check results are displayed on screen
- Error images saved with time stamp

