

Zero defect control machine

Automatic assembling puts heavy demands on the defect free details that are to be assembled. Even in manual assemblage, defects that are not discovered can cause unnecessary adjustment costs.

Only by sorting it is possible to reach the PPM-levels that modern industry demands. That is why we at Mattssons have an effective sorting and checking equipment, that helps us remove deviant foreign articles and articles with cracks or deviation in hardness.

What are we able to check/sort?

With our zero defect control machine Warren WI-600 equipped with cameras we check details that have heads. It is able to handle most types of measure deviations and can sort with a precision of $\pm 0,05\text{mm}$.

Below follow some examples of what we can check:

- Shank diameter.
- Head diameter.
- Head height.
- Visible cracks.
- Grip shapes.
- Threads (diameters, performances).
- Surface treatment.

We also have access to a sorting machine that works with ultra sound and eddy current.

It is used for the following checks:

- Deviations in shape (measures).
- Deviations in material structure.
- Cracks.
- Hardness.
- Alloy.

