



WR[®]400

Controlling / sorting process for automatic assembling

WR[®]400 with a system of different sorting possibilities, assists the customer to a “zero defect” strategy. A maximum economic efficiency can be achieved. The customer must decide which sorting is necessary for his demand.

This quality makes the assembling process more safe and guarantees a trouble-free operation and a higher economic efficiency.

Our modern sorting machines with up to four cameras WR[®]-OPTOmat are able to sort special inspection characteristics in accordance with our clients.

WR[®]-ROmat Quality

Test criteria

- control of head-diameter
- foreign parts

PPM

≤ 250 ppm

WR[®]-AUmat Quality (sensor control)

Test criteria

- foreign parts
- head-diameter
- head-height
- shank length
- thread diameter
- additional possibility
- control of drive system H / Z / Torx[®]

PPM

≤ 100 ppm



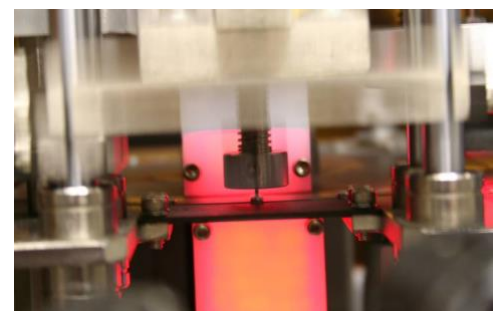
WR[®]-OPTOmat Quality (3 – 4 camera control)

Test criteria

- foreign parts
- head-diameter
- head-height
- shank length
- thread diameter
- thread pitch
- control of drive system H / Z / Torx[®]

PPM

≤ 10 ppm



The client has to decide which kind of sorting is wanted and which characteristics have to be controlled. Further test criteria are possible.

Zero-defect-strategy is also our target, but 0 ppm (ppm=parts per million) cannot be achieved, acc.: [EIFI-PPM Mechanical Fasteners Quality Of Technical Characters.pdf](#)

[DSV-Richtlinie Technische Lieferqualitaet von Verbindungselementen Stand 2013-11.pdf](#)