

SWISS FLEXIBLE AUTOMATION SOLUTION



available in
CELL version



DEEP LEARNING
— I N S I D E —

Self-learning device for visual inspection of dials

DESCRIPTION

Designed to perform automatic visual inspection of dials, the **Dials inspector** desktop machine is capable of self-learning and operates based on artificial intelligence and neuronal networks. This quality-control

desktop machine can replace and supplant human inspection. The inspection model (workspace) is easily generated from a catalogue of accepted and rejected dials. The machine can be used to inspect parts positioned flat in a tray on a working area up to 300 x 200 mm.

ADVANTAGES



Turnkey

It is no longer necessary to develop a complicated code for performing visual inspection.



Easy to use

The parts are simply placed in a tray. It is not necessary to position precisely the parts for inspection.



Flexibility

The device can inspect dials of different colors, sizes and designs.



Performance

The inspection is superior to the best quality inspector.



Reproducibility

The inspection criteria remain consistent.



Speed

The inspection cycle time is optimised.



Traceability

The device saves all the inspections performed.

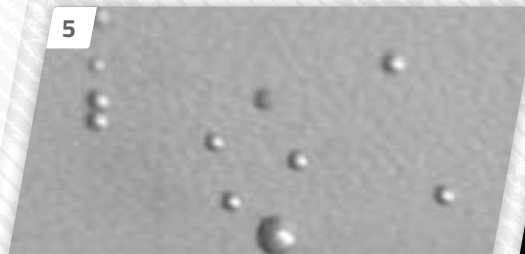


Service

Assistance via remote maintenance and diagnostic.

APPLICATION EXAMPLES

- 1** Double printing
- 2** Excess ink deposits
- 3** Presence of luminous material
- 4** Missing ink
- 5** Bubbles in the dial lacquer
- 6** Faults on the dial background



TECHNICAL FEATURES

Cycle time	3 s / inspection
Inspection surface (LxD)	300 mm x 200 mm
Average operator training time	~ 2 h
Machine self-learning time	~ 1 h / recipe
Machine user	non-specialised operator
Weight	80 kg
Power consumption	220 V / 50 Hz 10 A
Protective cover (safety)	included (not shown in the images)
Lighting	coaxial / brightfield

TECHNICAL DRAWING

