

SWISS FLEXIBLE AUTOMATION SOLUTION

 available in **DESKTOP** version



**DEEP LEARNING**  
INSIDE

## Automatic visual inspection machine of dials

### DESCRIPTION

Designed to perform automatic visual inspection of dials, the **Dials inspector** machine is capable of self-learning and operates based on artificial intelligence and neuronal networks. By mimicking human functions, the technology enables inspection tasks

that cannot be performed by traditional industrial vision systems to be automated. The **Dials inspector** machine can be used to inspect parts positioned flat in trays, and can be equipped with a standalone system for stacking and unstacking the trays (optional).

### 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 dials for inspection.



#### Flexibility

The machine can inspect parts of various shapes and sizes.



#### Performance

The inspection is superior to the best quality inspector.



#### Modularity

The standard modules are compatible with additional options.



#### Speed

The inspection cycle time is optimised.



#### Traceability

The device saves all the inspections performed.

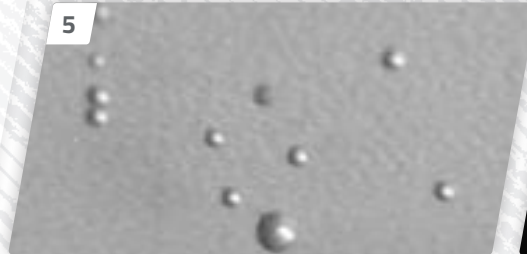
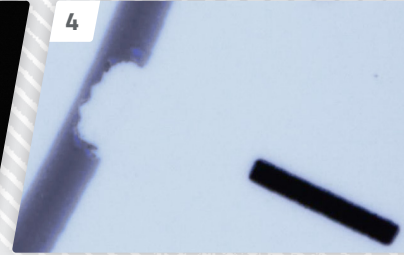
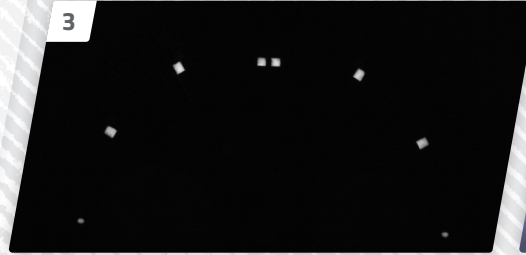


#### Service

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

Cell dimension (without standalone module)	1000 x 1100 x 2250 mm (L x D x H)
Cycle time	1-3 s / inspection
Positioning	motorised linear XYZ axes (Gantry)
Field of view	45 x 48 mm (option : 11 x 14 mm, 70 x 70 mm)
Lighting	coaxial / brightfield
Average operator training time	~ 2 h
Machine self-learning time	~ 1 h / recipe
Machine user	non-specialised operator
Weight	800 kg
Power consumption	220 V / 50 Hz 10 A

## TECHNICAL DRAWING

