X-CHECK 310MF



PRE/POST DRILLING INSPECTION BENCH

Description

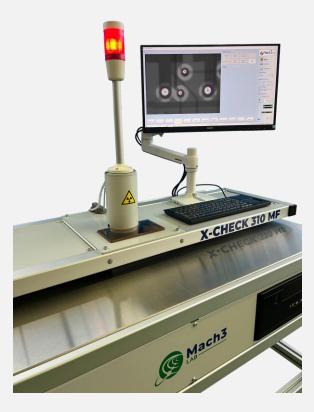
X-Check 310 MF is designed to ease a fast and efficient check of the centring error of holes respect to targets on multilayer panels, thus allowing to calculate the minimum annular ring. Inspecting four preliminary holes at the corners of the panels is also possible to determine the X-Y correction to apply to the drilling machine.

The X-check inspection bench allows introduction of pinned panels in order to carry out the first step of measurements without de-pinning reducing this way the risk of different pinning positions.

The X-Check 310 MF provides also tracks and distances measures automatic and semi-automatic tools permitting to have an overall view of the panel.



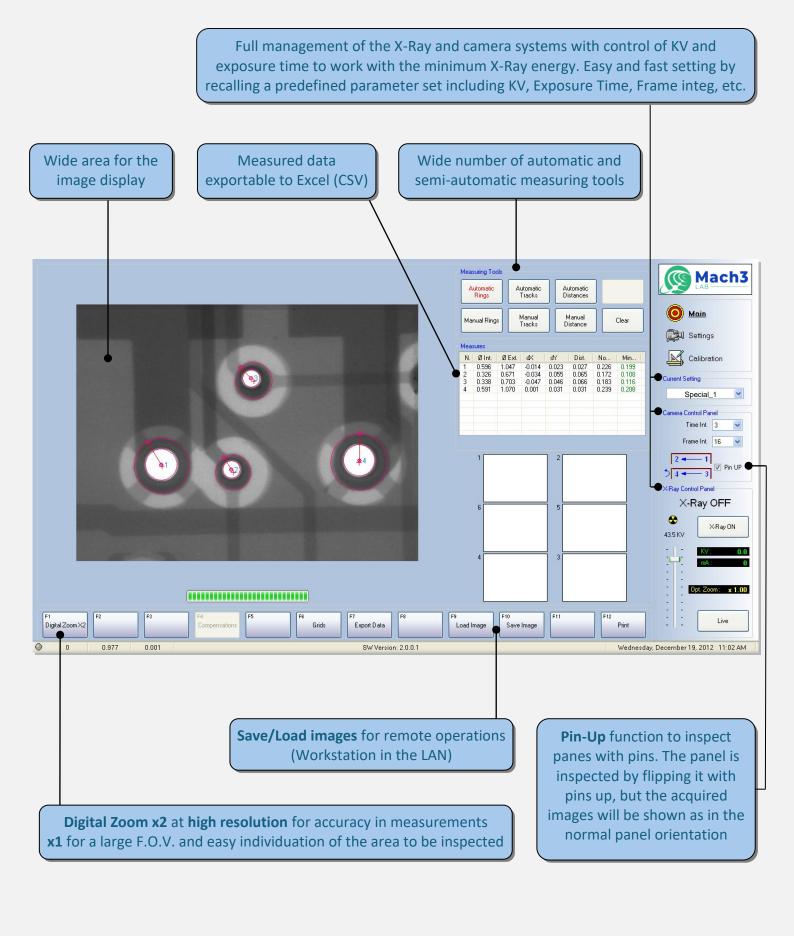


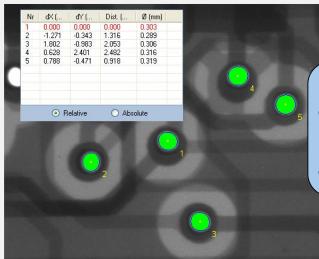




An eye to the operator safety

- With a certified elevate shielding efficiency the X-Check 310 MF doesn't require an exposure meter for the operator, and it is safe to use.
- A key switch selector prohibits unauthorized personnel from operating with the machine.
- An automatic time-out will cut off the X-Ray emission after a couple of minutes to prevent accidental exposures.
- An integrated totem red lamp will always signal when the X-Rays are ON



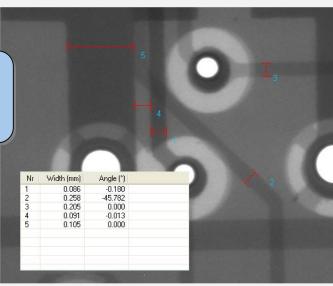


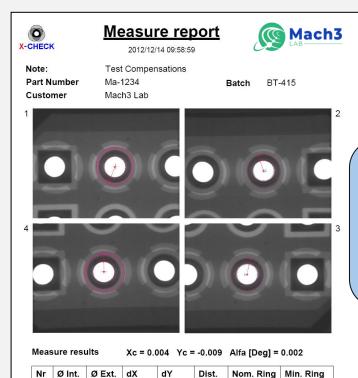
Measurements of distances

- Click on the object and drag a "Region Of Interest" (ROI) to measure automatically diameters and distances between objects in the F.O.V.
- Results displayed in absolute or relative mode

Width measurements

Click and drag a "cut" to automatically measure the width of traces and insulation areas





0.929

0.902

0.900

0.948

1.437

1.455

1.420

1.494

-0.016 -0.040

0.033

0.008

0.018

-0.012

0.002

0.000

0.044

0.035

0.008

0.018

0.254

0.277

0.273

0.142

0.210

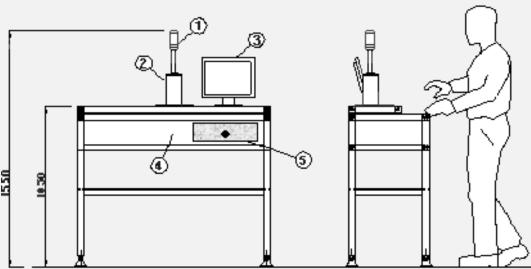
0.252

0.255

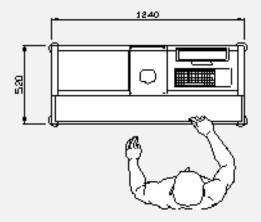
Print-out of Report

- Customized logos
- I.d. texts typed in by the operator
- Single or quad image with measuring symbols
- Measured data table
- Print-out on paper or *.pdf file





- 1 X-Ray ON lamp
- 2 X-Ray Camera
- 3 LED screen 22"
- 4 X-Ray source housing
- 5 P.C.



TECHNICAL CHARACTERISTICS AND OVERALL DIMENSIONS

Power supply

Voltage: 220 V – 50/60 Hz

Consump.: 600 W

X-Ray

Max anodic voltage: 50 KV
Max anodic current: 1 mA
Focal spot: 50 μm
Cooling: Forced air
X-R Tube overtemp. check (alarm)
X-R lamp integrity check (alarm)

Automatic mA control Automatic tube warm-up

Inspecting details

Inspection: Full panel area

Panel input openings: 24 mm / 1" high

Option

Data matrix printer

