

AUTOMATIC
QUALITY
CONTROL
AQC

TESEO

AQC

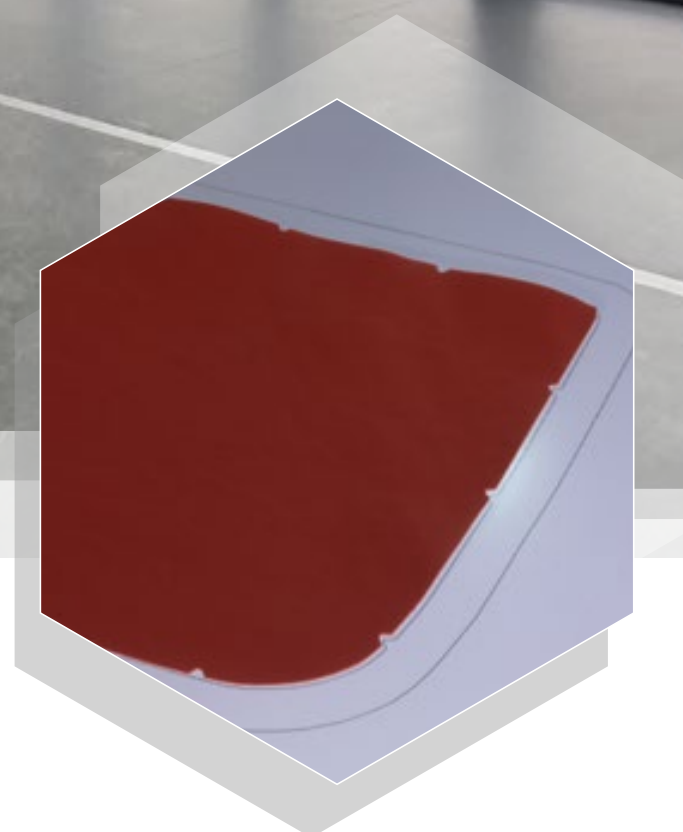
HIGH PRECISION VISUAL SYSTEM FOR
AUTOMATIC **Q**UALITY **C**ONTROL



DIMENSIONAL CONTROL
OF CUT PARTS



QUALITY CONTROL OF
PERFORATION



55" 4K
MONITOR

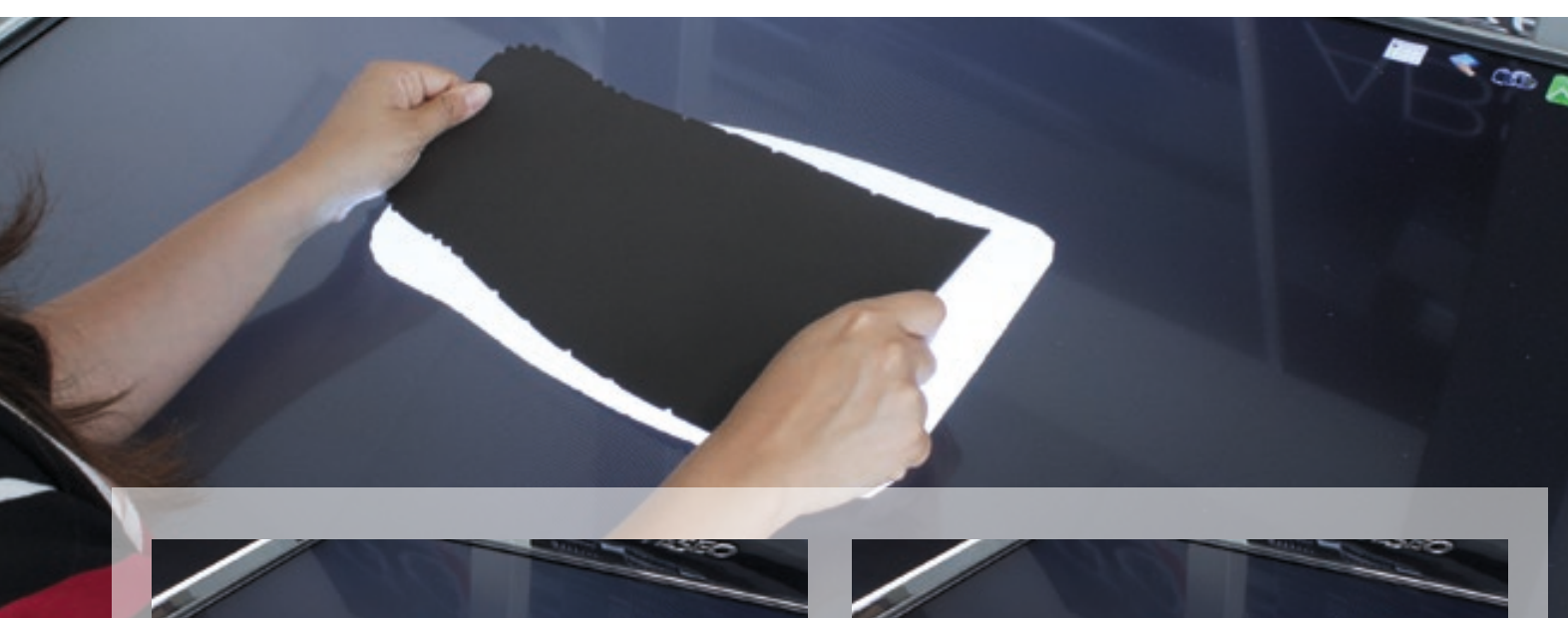
12 UHD
CAMERAS

± 0.07 mm
PRECISION

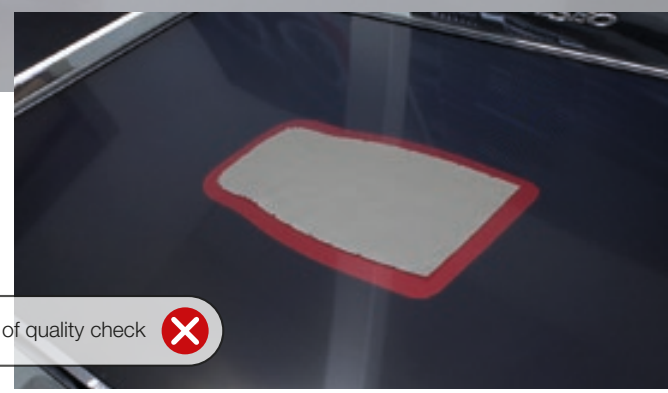


AUTOMATIC

POWERFUL VISUAL SYSTEM WITH HIGH DEFINITION CAMERAS



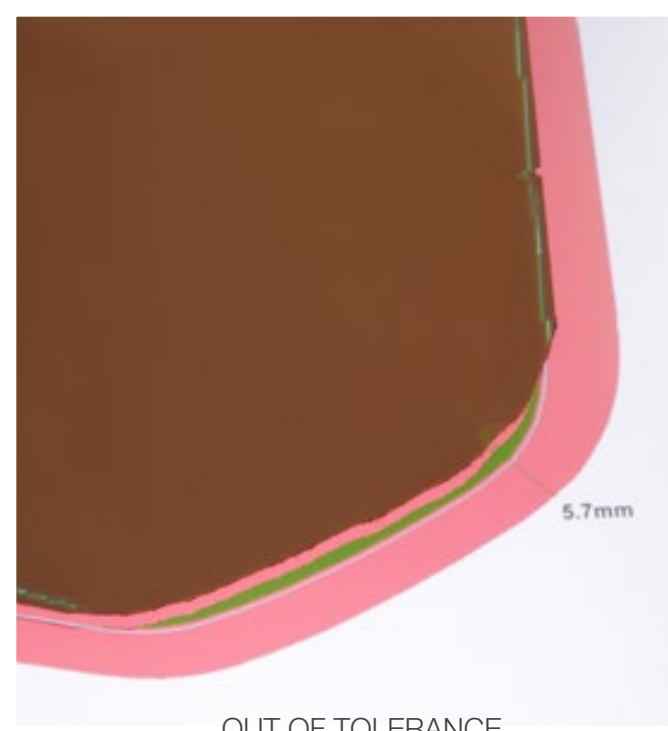
✓ Immediate result of quality check



✗

DIMENSIONAL CONTROL:

Dimensions of the parts are automatically detected with a precision of **0.07 mm**, and the result of the quality is quickly shown on the screen, according to the allowance setting preferences.



OUT OF TOLERANCE

INTERACTIVE



✓ Immediate result of quality check

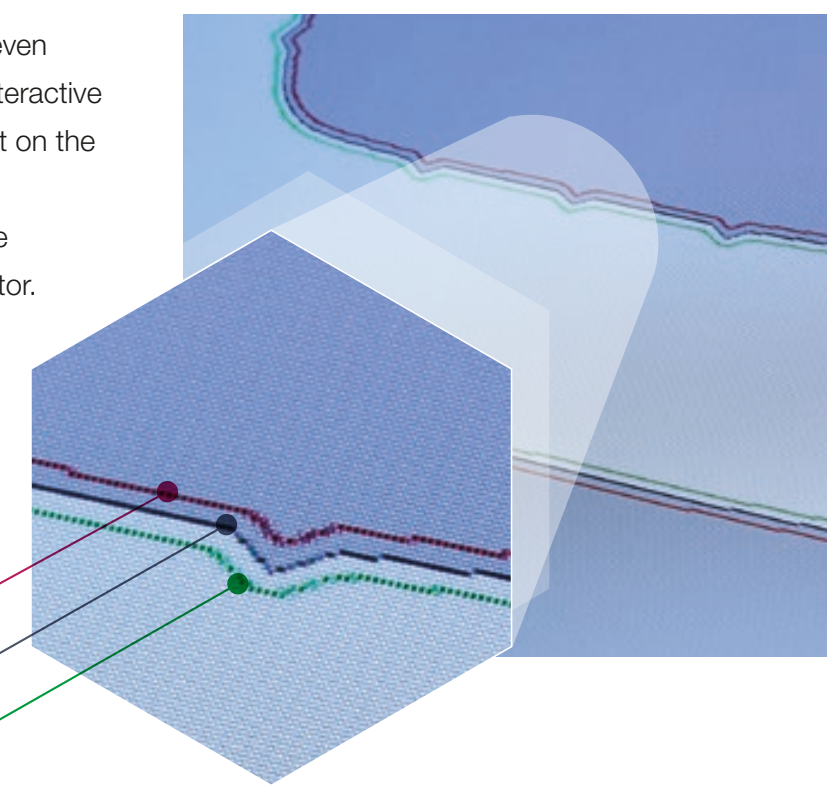


✗

Designed to achieve the best accuracy, even with irregular shapes, the “dimensional interactive control” allows to check manually the part on the screen.

According to the quality requirements, the tolerances can be easily set by the operator. The shapes are displayed on the screen and the margins of maximum and minimum tolerance, pre-set by the user, are highlighted.

MAX ALLOWANCE
THEORETICAL EDGE
MIN ALLOWANCE



PERFORATION CONTROL

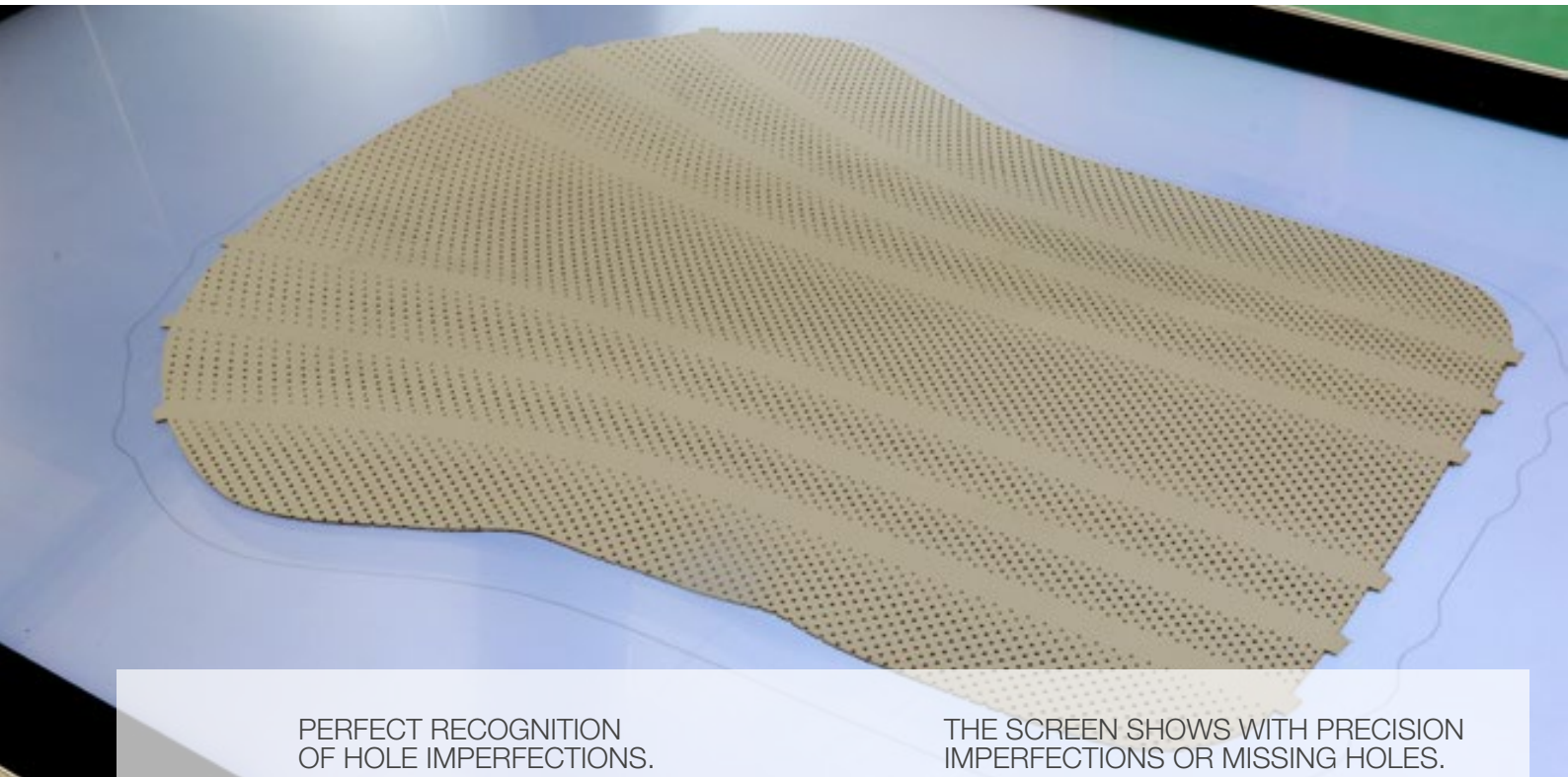
TESEO



HIGH RESOLUTION
QUALITY CONTROL

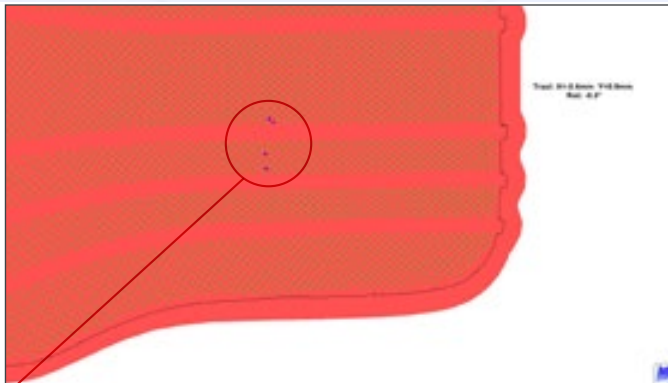
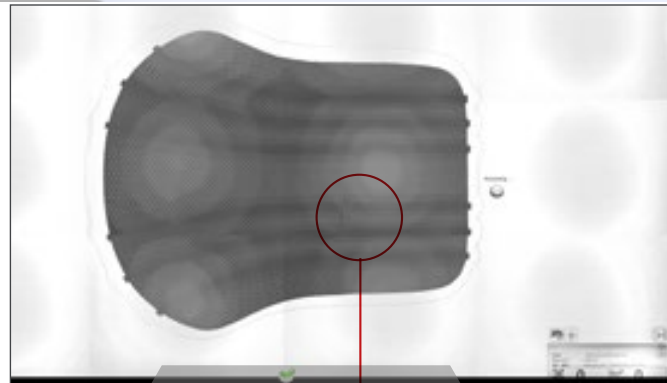
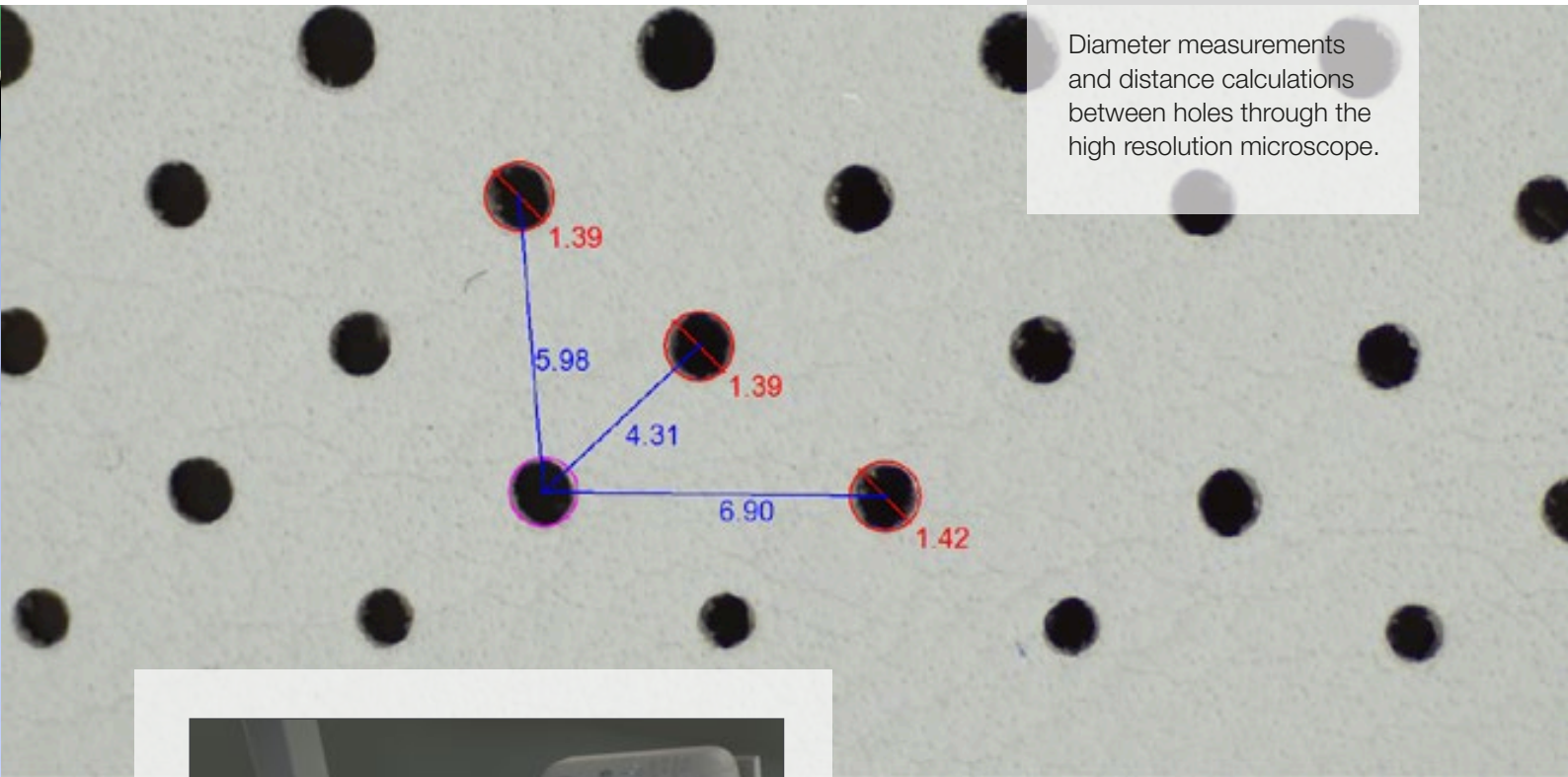


Diameter measurements and distance calculations between holes through the high resolution microscope.



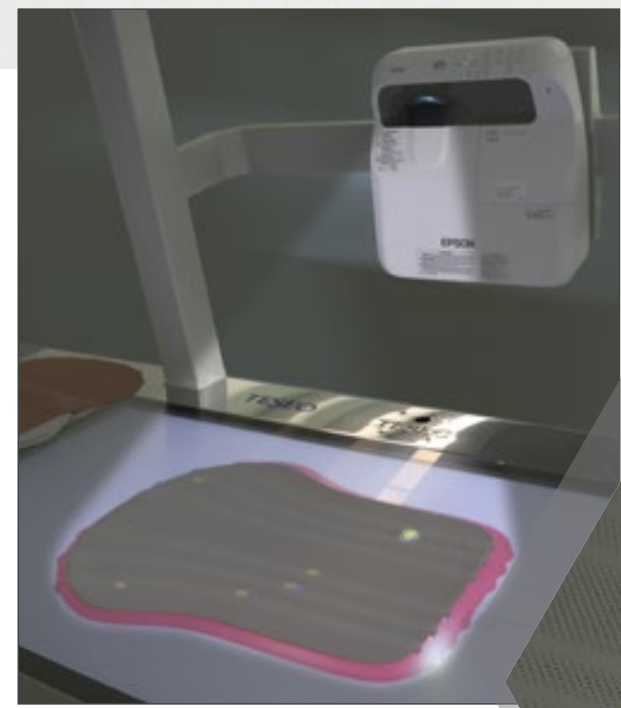
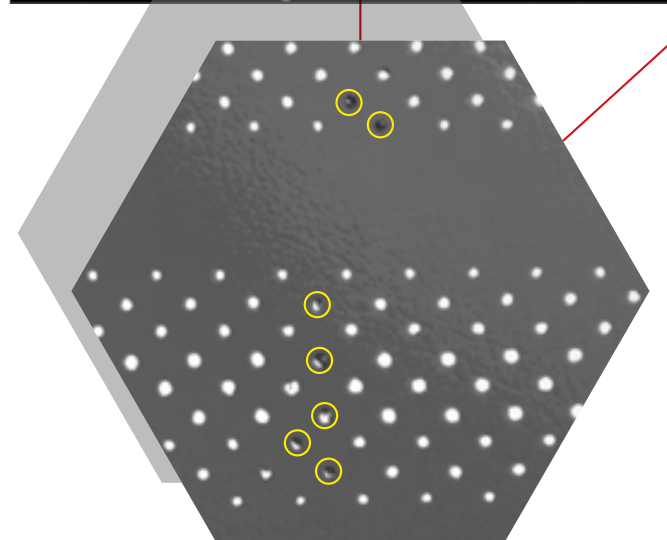
PERFECT RECOGNITION OF HOLE IMPERFECTIONS.

THE SCREEN SHOWS WITH PRECISION IMPERFECTIONS OR MISSING HOLES.

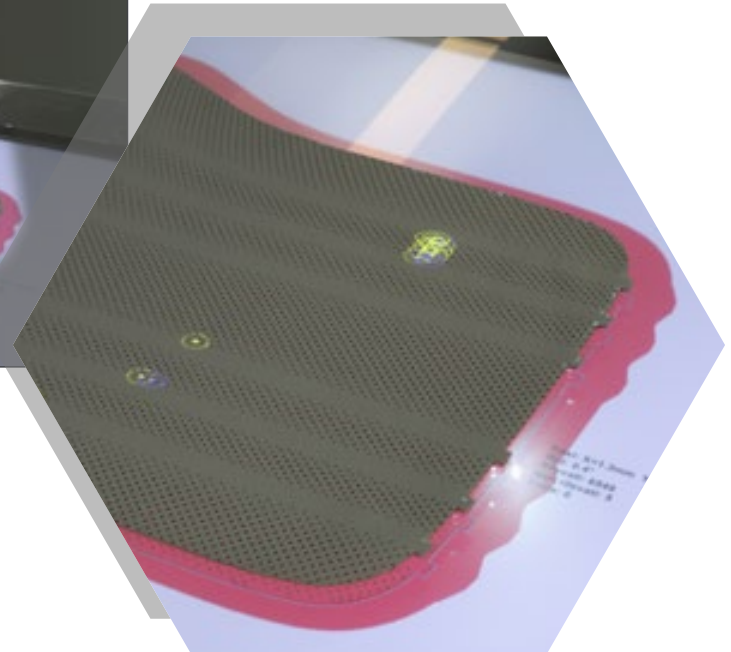


The system detects imperfect or missing holes and their possible wrong position.

Tolerance preferences, such as the number of missing holes, hole size difference, sewing allowances, translation and rotation of holes from the original pattern are fully customizable.



Direct projection of missing holes or with imperfections.





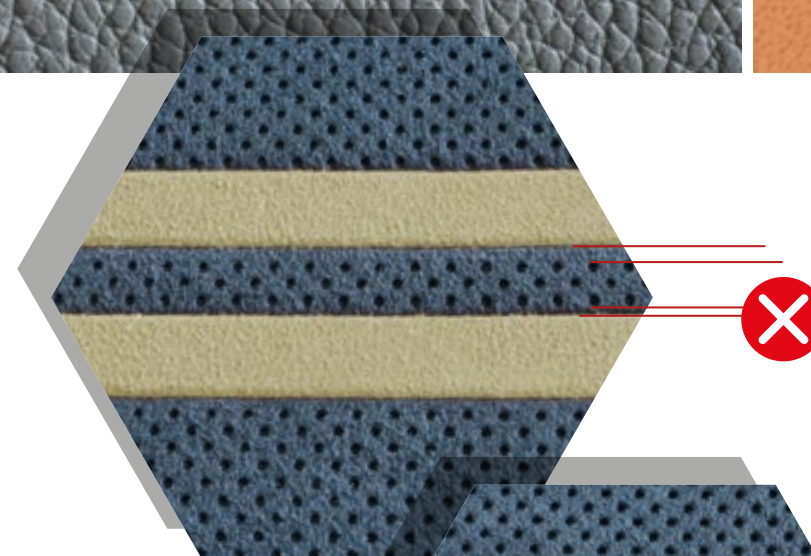
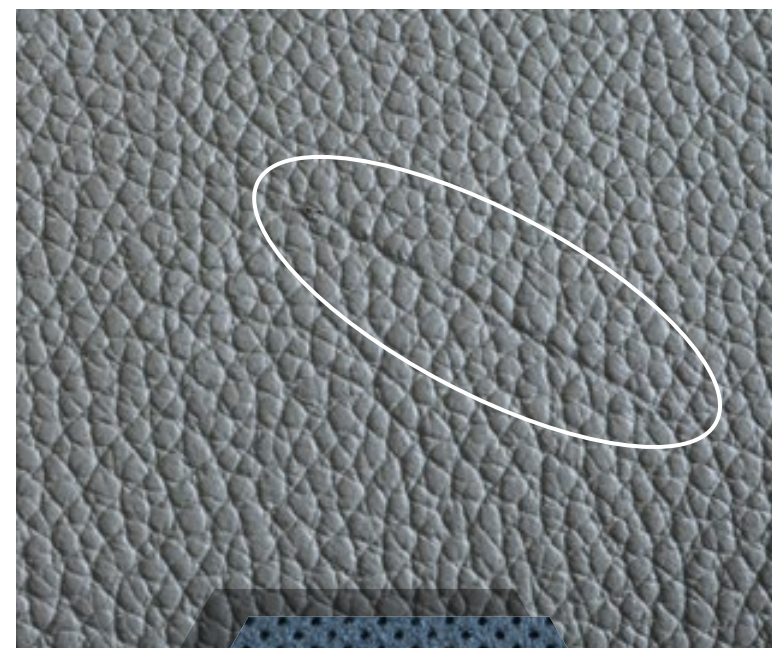
AQC TXAI

A NEW LEVEL OF **Q**UALITY **C**ONTROL

The innovative AQC TXAI integrates 9 high definition additional cameras with Artificial Intelligence. With AQC TXAI it is possible to accurately check the surface of leather and various materials, quickly highlighting various types of defects.

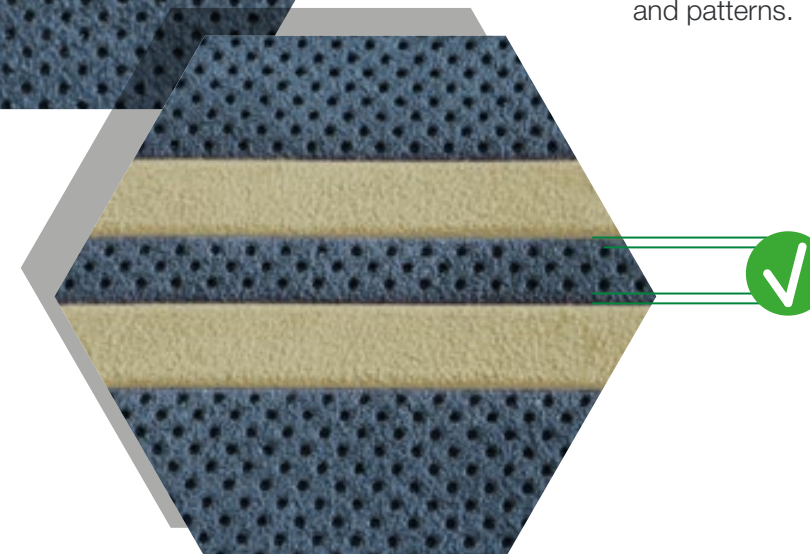


FEATURES



A.I. UNIQUE FEATURES

Enhance your QA process, with accurate control on logos, defects on materials and non-perforated sections. Immediate detection of holes alignment from edges and patterns.



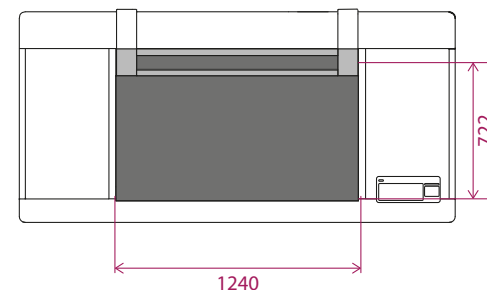
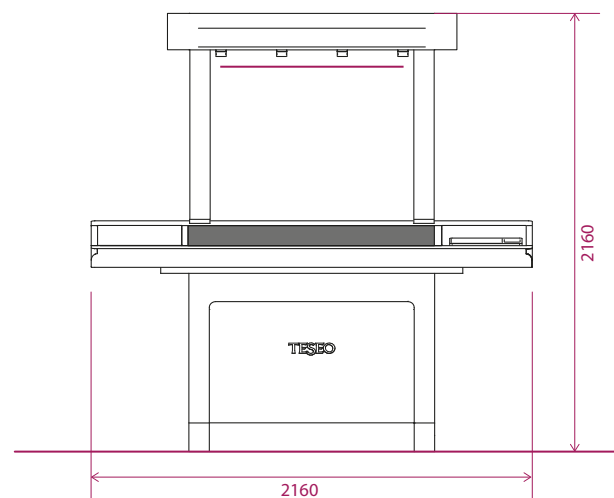
The technical data shown are indicative. TESEO reserves the right to modify them, without notice, at any time.



HIGH RESOLUTION

12 High resolution cameras for the automatic quality check of holes on panels, with an accuracy up to 0.07 mm.

AQC



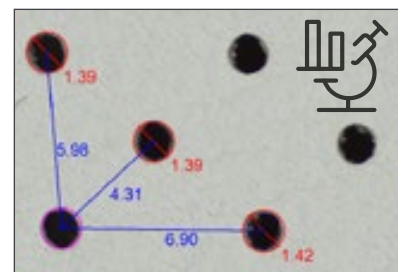
MODEL	AQC
DISPLAY	55" 4K · UHD
WORKING AREA	1240X722 mm
UHD CAMERAS	12

OPTIONAL



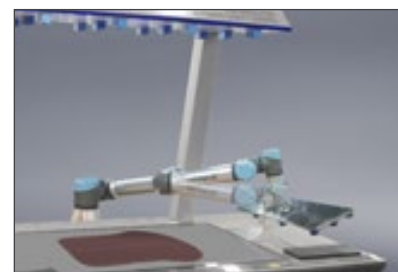
PROJECTION

Direct projection of missing holes or with imperfections.



MICROSCOPE

High resolution microscope.



ROBOTIC ARM

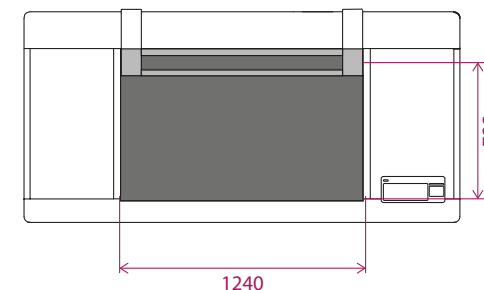
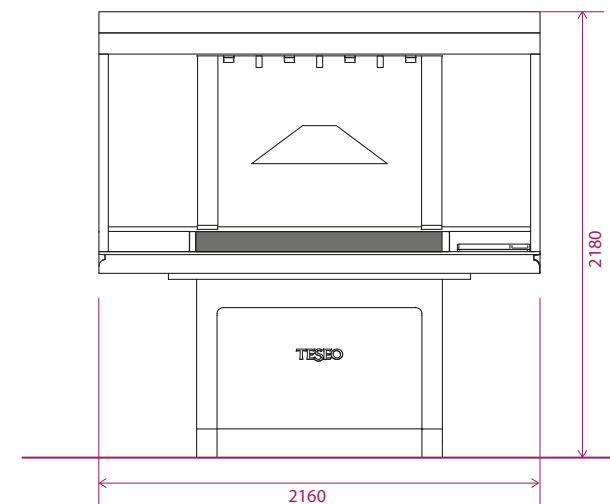
Collaborative cobot for the loading and unloading of the parts.



HIGH RESOLUTION

12 +9 High resolution cameras for the automatic quality check of surface on panels.

AQC TXAI



MODEL	AQC TXAI
DISPLAY	55" 4K · UHD
WORKING AREA	1240X722 mm
UHD CAMERAS	12 + 9

The technical data shown are indicative. TESEO reserves the right to modify them, without notice, at any time.



AQC meets the Industry 4.0 requirements for a SMART factory

SMART PRODUCTION:

AQC is designed for integration with ERP, planning, design and product development systems. Process data collection, real-time reporting and statistical analysis.

SMART SERVICE:

Remote interaction via NESSO® software to collect operational data and to provide remote support and maintenance through augmented reality technologies (i.e. NESSO® Visual and NESSO®Real)

pioneers and dreamers



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9001 QUALITY
14001 ENVIRONMENT
45001 HEALTH & SAFETY