



AUTOMATICAL OPTICAL INSPECTION 5.0



ABOUT GTMC

GTMC is a software house company that developed several industrial programs. Our first important realization is an MES that matches perfectly the modern electronic company. This important product developed over the past seven years is an economic but high-performant automatic optical inspection equipment.

GTMC developed one of the smartest AOI equipment on the market. We have spent seven years developing, testing, and debugging our equipment, and we present you a reliable, fast, and economical AOI equipment. And it can compete with all the others AOI which exist, but with an important advantage.



Checking every single PCBA is a usual activity, but you cannot be sure that the check cycle time is respected and that the visual check, over thousands and thousands of PCBAs, is performed. This means that you risk delivering some fails or, in case your process includes, losing a lot of time to retest, over ICT and Functional, PCBAs which have wrong, missing, or wrong polarity over one or more components.

On top of that, you cannot insure to your customers that the check control has been done and the result of that check.

Info@gtmc.ro







Our engineers work very hard to develop and create new features which permit you to have zero errors on a pass, and smart solutions to make your work easy, fast, and cheaper.





HARDWARE

- Camera: 8 MP
- Max resolution: 3264X2448
- PC: Apple Mac Mini M1



Press ESC to Exit or Space continue!

SPECIFICATIONS

- Maaximum board size: 300 X 300 mm
- Minimum bard size: 10 X 10 mm
- Deffects detected: Wrong PN, Wrong polarity/orientation, missing component, bended component, short circuit, mising soldering, bad soldering
- Inspection time: 1 to 10 sec
- Inspection type: 2D
- Inspection algoritm: Template Matching by Normalized CrossCorrelation Method; Robust Template Matching Using ScaleAdaptive Deep Convolutional Features Al Barcode recognition
- · Operating system: Mac Os Programming
- Skill Level: Operator or technician
- Data outputs: JPEG, JSON
- SPC Software: Real time local and remote monitoring of FPY, defects trend and porduction output



FACILITIES

- Power: 230VAC, 50/60 Hz , 1A
- Footprint 430 X 460X 600 mm (WXLXH)
- · Weight: 35 Kg
- · Machine instalation: Less then 1 hour



GET IN TOUCH!

Get in touch with us for more technical information, and schedule a visit so you can see how our GTMC AOI 5.0 system works!

We are more than sure that it is the perfect tool to set on each manual line on your shopfloor.