

EYE  INSPECT
INSPECTION THAT WORKS



INTUITIVE EFFICIENT OBJECTIVE

Robotic visual inspection combining 3D and 2D vision

EYE 
www.eyetplus.eu

 **T+Robotics**
www.it-robotics.it

REGISTERED OFFICE

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EYE T+ INSPECT

INSPECTION THAT WORKS

INTUITIVE EFFICIENT OBJECTIVE

Robotic visual inspection combining 3D and 2D vision



- Intuitive**
inspection set-up with Real-Time Visual Feedback
- Efficient**
robust and accurate acquisition combining 3D and 2D vision technologies
- Objective**
and automatic visual inspection powered by easy to use software tools

EASY TO INSTALL AND MAINTAIN

- Plug & Produce within hours in 4 easy steps
- Pre-calibrated sensor ready for commissioning
- Sturdy device with low maintenance requirements
- Designed to endure heavy environments

INCREASE EFFICIENCY

- Return of investment typically in less than one year
- Optimize production with automatic early identification of defective products
- Reduce set-up time thanks to Real-Time Visual Feedback
- Monitor production performances collecting detailed statistics

FLEXIBLE AND INTEGRATED

- Standard communication interfaces compatible with every robot
- Combines robust 3D vision to inspect product shape with fast 2D vision to inspect product surface
- Suitable for many industrial sectors
- Industry 4.0 ready, to be connected to factory IT infrastructure

PLUG & PRODUCE

- 1 Install**
Install EyeT+ Inspect in a fixed position or on the robot arm
- 2 Integrate**
Make EyeT+ Inspect communicate with the robot
- 3 Set-up**
Use the Smart Inspect 3D software to set-up the product with Real-Time Visual Feedback
- 4 Produce**
Monitor production status and collect detailed statistics

INSPECTION IN 3 EASY STEPS

- 1 Set-up**
Define inspection cycle interacting with the robot using Real-Time Visual Feedback
- 2 Learn**
Set the reference model executing the automatic learning procedure
- 3 Inspect**
Run the inspection cycle to remove not compliant products from production line

Real-Time Visual Feedback
Define inspection robot path easily with real-time 3D acquisition feedback thanks to device direct connection to robot controller



SMART INSPECT 3D

The software solution to configure the system and collect detailed statistics about production

- ✓ **Integrated**
Totally integrated with EyeT+ Inspect
- ✓ **Easy**
Simple new product definition interacting with the robot
- ✓ **Intuitive**
Operator-friendly interface to diagnose and configure the system
- ✓ **Flexible**
Manage many application scenarios

Contains: Software and user manual, USB hardware license key.

		EyeT+ Inspect PT-20		EyeT+ Inspect PT-15		EyeT+ Inspect PT-10	
		PT-20-600	PT-20-300	PT-15-600	PT-15-300	PT-10-600	PT-10-300
FIELD OF VIEW (W x H)	STANDARD	600 x 200	300 x 100	600 x 200	300 x 100	600 x 300	300 x 150
	EXTENDED RANGE	600 x 600	300 x 300	600 x 600	300 x 300	600 x 600	300 x 300
WORKING DISTANCE (WD)		640	320	640	320	780	390
NUMBER OF 3D POINTS		> 3.000.000 points/sec		> 1.500.000 points/sec		> 1.000.000 points/sec	
LATERAL POINT DISTANCE		0,30 - 0,39	0,15 - 0,20	0,30 - 0,39	0,15 - 0,20	0,47 - 0,65	0,23 - 0,33
DEPTH PRECISION		0,15 - 0,20	0,07 - 0,10	0,15 - 0,20	0,07 - 0,10	0,24 - 0,33	0,12 - 0,17
2D ILLUMINATION		Ring LED diffuse illumination. Controls up to 4 external illuminators.					
INTERFACE		TCP/IP, Field buses (Devicenet, Profibus, CANOpen, EthernetIP, EtherCAT, Profinet, Modbus/TCP, Powerlink), ROS, Siemens Snap 7					