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INTUITIVE EFFICIENT OBJECTIVE

Robotic visual inspection combining 3D and 2D vision

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

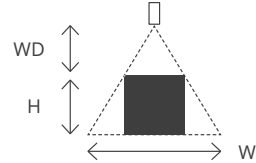


SMART INSPECT 3D

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					