

**EYE T+ PICK**  
BIN PICKING THAT WORKS



**EYE T+**  
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**ACCURATE FAST SMART**

The 3D robot guide solution for random bin picking

# EYE T+ PICK

BIN PICKING THAT WORKS

ACCURATE FAST SMART

The 3D robot guide solution for random bin picking



• **Accurate**  
and robust 3D reconstruction of the scene, thanks to dual laser line triangulation

• **Fast**  
object recognition to achieve the fastest cycle time

• **Smart**  
pick control to provide to the robot a feasible collision-free path to pick the product

## 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
- Increase productivity thanks to the fastest cycle time
- Multi-pick option saves time performing multiple picks with one scan
- Lowest response time thanks to predictive recognition

## FLEXIBLE AND INTEGRATED

- Standard communication interfaces compatible with every robot
- Suitable for many industrial sectors
- Adaptive bin detection to increase system availability
- Industry 4.0 ready, to be connected to factory IT infrastructure

## PLUG & PRODUCE



1

Install

Install EyeT+ Pick using the Motor Pack or on the robot arm



2

Integrate

Make EyeT+ Pick communicate with the robot



3

Set-up

Use the Smart Pick 3D Solid software to set-up the product and the pick strategies



4

Produce

Monitor production status and collect detailed statistics

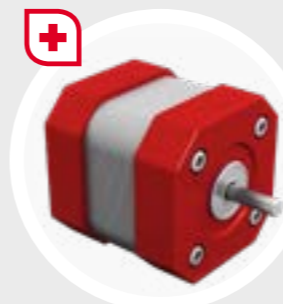


### SMART PICK 3D SOLID

The software solution to configure and monitor the system in a 3D programming environment

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

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

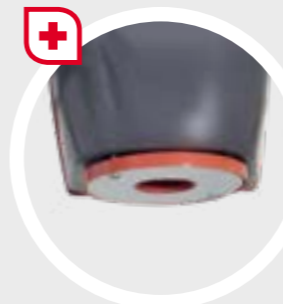


### MOTOR PACK

Rotary actuator including soft-PLC software module to control the EyeT+ Pick by the robot

- ✓ **Plug & Produce**  
Install directly in the pick area with the provided flange
- ✓ **No coding required**  
Device management integrated in Smart Pick 3D Solid
- ✓ **Sturdy**  
Device with low maintenance requirements

Contains: Rotary actuator, Motion controller, Soft-PLC software.



### VISUAL ALIGN

Additional 2D vision device to improve accuracy for precise product positioning

- ✓ **Integrated**  
Manage the Visual Align in the Smart Pick 3D Solid environment
- ✓ **Fast**  
Improve position accuracy in tenths of a second
- ✓ **Efficient**  
Direct machine loading avoiding additional custom fixtures
- ✓ **Flexible**  
Different scanning areas and illumination methods to fit application requirements

Contains: Visual Align device, Visual Align software module for Smart Pick 3D Solid.

	EyeT+ Pick LT-20		EyeT+ Pick LT-15		EyeT+ Pick LT-10	
	LT-20-900	LT-20-400	LT-15-900	LT-15-400	LT-10-900	LT-10-400
FIELD OF VIEW (W x H)	900 x 1000	400 x 300	900 x 1000	400 x 300	900 x 1000	400 x 300
WORKING DISTANCE (WD)	1300	900	1300	900	1200	950
NUMBER OF 3D POINTS	> 1.500.000 points/sec		> 750.000 points/sec		> 500.000 points/sec	
LATERAL POINT DISTANCE	0,43 - 0,80	0,20 - 0,26	0,43 - 0,80	0,20 - 0,26	0,70 - 1,30	0,32 - 0,44
DEPTH PRECISION	0,28 - 0,50	0,14 - 0,18	0,28 - 0,50	0,14 - 0,18	0,40 - 0,73	0,20 - 0,28
INTERFACE	TCP/IP, Field buses (Devicenet, Profibus, CANOpen, EthernetIP, EtherCAT, Profinet, Modbus/TCP, Powerlink), ROS, Siemens Snap 7					