

Tracker

Mabema Tracker enables guidance of an industrial robot in depth as well as sideways motion. Its purpose is to bring the robot to the correct picking position of oriented but not fixed objects.



Tracker

Mabema Tracker enables guidance of an industrial robot in depth as well as sideways. Its purpose is to bring the robot to the correct picking position of oriented but not fixed objects.

The Tracker unit measures distance to the object being handled and its sideways location. Since the Tracker continuously provides data it is very well suited for picking non-fixed and also moving objects. The system covers major benefits when handling objects where the distance to the object changes during the process or is not known in advance.

The system is used for picking objects from the hanging conveyor and also for picking of palletized objects. Picking of tubes or plates from racks are other examples of applications

The Tracking system, which forms part of the RobotVision portfolio, uses a laser-based three-dimensional monochrome scanning technology. The laser light, used for measuring, comprises a concentrated wavelength, which enables effective suppression of ambient light, thus being insensitive to interference from ambient light.

The Tracker is typically mounted in the robot nose along with the gripper. It is a ready-to-use unit and is quickly connected to robot. The system is easy to program, flexible and allows rapid conversion when switching components.

Tekniska data

CAPACITY (other configurations available)	
Measure distance std min	200 mm
Measure distance std max	800 mm
Width at maximum distance	250 mm
Object surface	Most materials and surfaces
CONNECTIONS	
Computer	Industrial PC (included)
Communication	LAN: 1 Gbit/s between PC and Tracker 100 Mbit/s between PC and robot
Power supply	24V DC
Robot type	ABB, KUKA, Motoman etc.
OTHER	
Dimensions	H 180, B 180, D 50 mm
Weight	Appr. 1 kg
Laser safety class	3R according to SS EN 60825-1

