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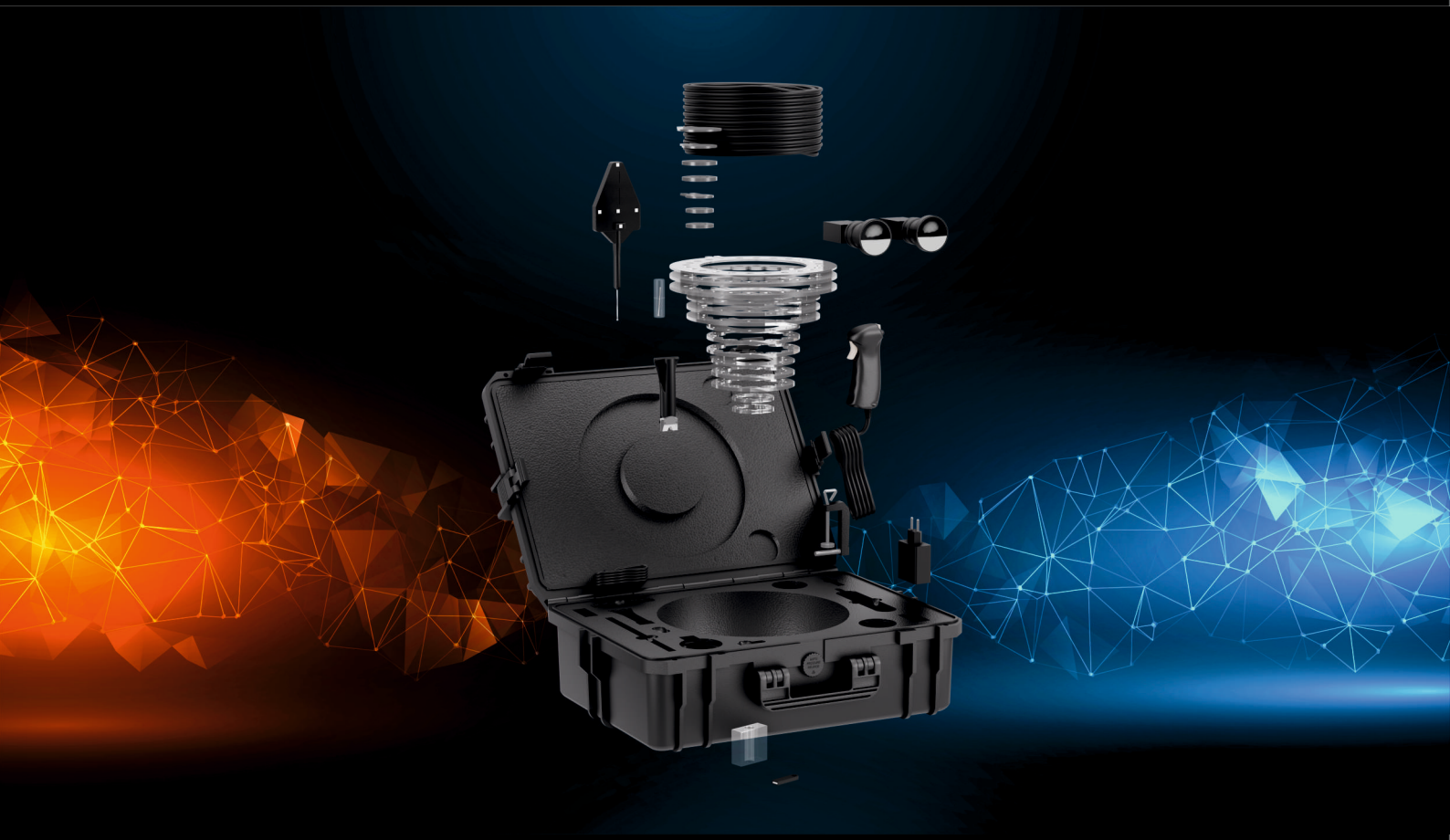


No-code robot training solution
EASY TO TEACH

industrial robotics®

No-code robot training solution
EASY TO TEACH

The software enables users quickly and easily program robots to do different tasks.

FAST

For productivity and production flexibility

PRECISE

Performance corresponds to the competence of the teaching person

EASY

Anyone can train the robot

Easy training of industrial robots is an essential factor in their applications.
Our company developed an EASY TO TEACH solution that does not require any specific or in-depth knowledge of robotics or robot programming and it can be used by most in-house machine operators.
An intelligent plug-and-play, no-code robot training technology brings robots closer to the user in manufacturing.

It takes 3 simple steps to teach an industrial robot how to operate:

1 DEMONSTRATION

An operator holds a unique sensor in his/her hand or mounts it on a dedicated tool and performs an activity the robot is supposed to learn. It can be single points (drilling, srewing, gluing etc.) or complex paths (painting, sanding, welding etc.)

2 PATH ADJUSTMENT

User-friendly software depicts the path and actions the operator took and makes all the processes editable on the PC screen with simple mouse clicks. Solution registers 75-163 points per second - all the information (movement speed, tool angle, acceleration etc.) in and between those points can be edited manually.

3 RUN THE ROBOT

All the collected and edited information is converted into a specific code - robotic language - in order to run the robot exactly as per operator's instructions.

Convert human flexibility into a robotic language in seconds!

Use EASY TO TEACH solution instead of investing time and resources on training employees to program robots

PRECISION

This solution allows to automate manufacturing and machining processes where manual precision is needed. It guarantees the same result with every machined component.

ONGOING PERFORMANCE

With no rest. Just constantly ongoing performance, with the same level of quality.

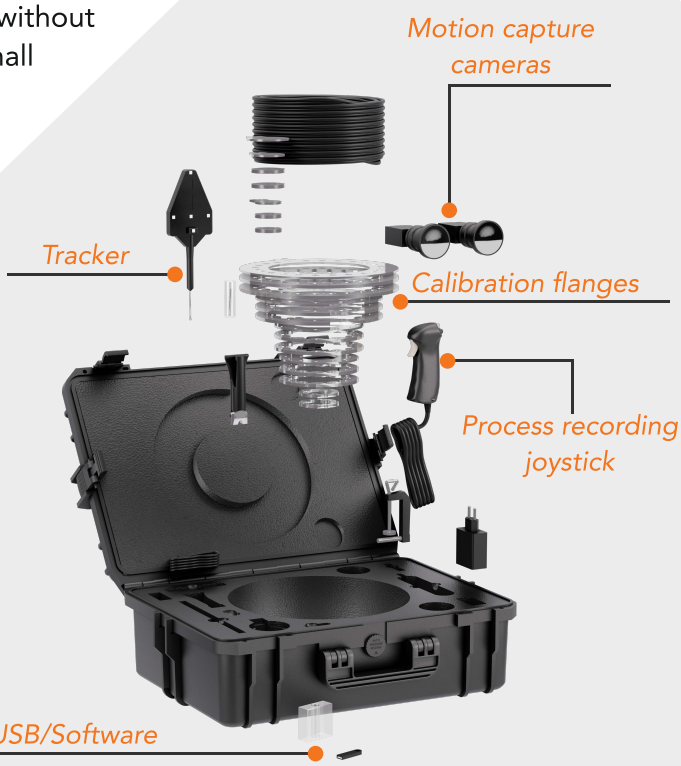
RETURN ON INVESTEMENT

By replacing the manual work, robots with an EASY TO TEACH installed become a long-term investment for small, medium, and large industrial companies. Easy to train robots solves the shortage of labour, increase factory output and reduce the number of defects.

EASY TO TEACH combines human's flexibility with the performance of robotic technologies

Robotic control does not require programming knowledge and ensures the ability to change the robot's tasks quickly without stress. This is the way how the robot can be used in small batch production.
Transfer the capabilities of any highly skilled painter or welder to an industrial robot easily and quickly with EASY TO TEACH no-code robot training technology. The robot, which guarantees perfect quality through precise repeatability, can now be trained simply and quickly!
An easy-to-train industrial robot will be flexible to use continuously, even in high mixture small batch production.

EASY TO TEACH solution kit



Advantages of our EASY TO TEACH solution:

- Drastically reduced robot programming time. Depending on the application and the parts, our solution can reduce the robot set-up time from entire shifts to minutes.
- A non-robot specialist can operate the system with brief training.
- Accuracy of up to 1mm. The tracker can collect anywhere between 75 to 163 points per second. Working area and accuracy can be increased by adding more cameras and/or trackers.
- Our software allows to edit the recorded path. It is possible to change the coordinates and the speed of each point taken or any particular segment with our user-friendly software.
- Training can be done using a simple tracker provided by us. Alternatively, we can mount one or more trackers on the actual tool the operator is using or 3D print a mock-up tool and mount the tracker(s) on it, so that whoever is training the robot is using a tool most familiar to him/her.
- Special 3D-printed camera cases are available on request for when cameras are permanently installed within the production facility. The cases close automatically when cameras are not in use and any dust is blown out using compressed air, so that cameras are protected and last for as long as possible.
- Function buttons are available on a separate joystick or can be integrated within the mock-up tool to initiate additional functions, such as Arc On/Off for welding applications or Start/Finish for spraying applications.
- Robot training can happen in a remote booth, as long as it is identical to the one where the robot is operating.
- Quick and easy set-up.
- Continuous software improvements and updates.

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