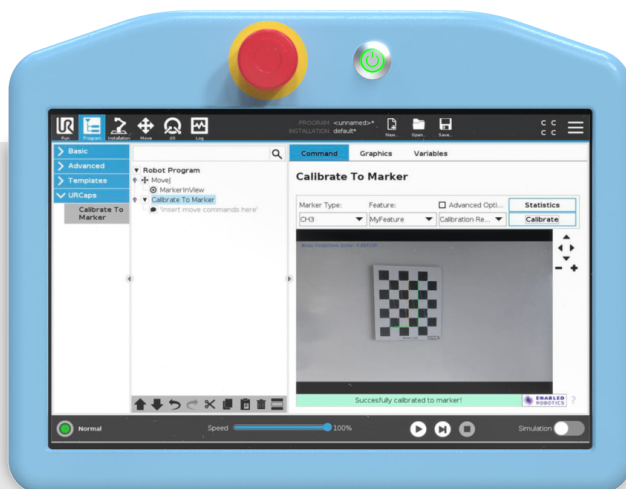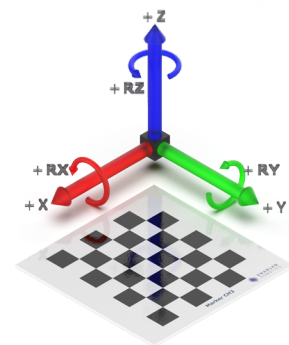# ER-ONE

DYNAMIC POSITION SYSTEM

The ER-ONE Dynamic Position System enables easy calibration between the robot and markers in the environment. This allows for flexible use, where robots and machines can be moved around and in less than a second calibrate to a new situation.

With the ER-ONE Dynamic Position System, you avoid having mechanical fixtures and tedious manual calibration. The functionality is integrated into the UR user interface making it easy and intuitive to use.

FEATURES

- The camera can be freely mounted on the tool.

- Inexpensive markers for precise calibration.

- Options of different marker sizes and integrated ID's for verification.

- Separate vision control box for fast image processing.

- Full 3D calibration in both position and orientation.

- Typical accuracy of 0.5 mm perpendicular to viewing direction, 1 mm in viewing direction.

- 2 MP camera with high dynamic range (HDR) for precise detection of markers and robustness to changes in illumination.

"Calibrate to Marker" functionality provided as UR program nodes for a seamless integration into programs and fast runtime calibration between robot and markers.

ENABLED ROBOTICS