RoboTeach
for RoboMate
on MX and TX machines

Until now, teaching of the Fanuc Robot (200iD) on RoboMate could be time consuming and labour intensive. In addition to these issues, the accuracy of this task could vary depending on the user conducting the teaching. To solve this problem, ANCA has developed RoboTeach – a product for the automatic teaching of the RoboMate Fanuc 200iD robots on ANCA's MX and TX range of machines.

RoboTeach works by using the high accuracy of the grinding machine to measure the robot position, and then calibrate the robot. The robot position is measured using an electrical contact touch probe held in the robot gripper, and a sphere held in the machine collet adaptor.

When teaching the Fanuc robot, the operator is guided through the teaching process by instruction messages on the operator screen within the Loadermate software. The instructions are easy to follow and ensure the operator can quickly teach the robot using RoboTeach.

The RoboTeach product consists of a software option and teach tooling kit. The teach tooling kit is supplied in a compact carry case which contains the relevant teach tools.

The RoboTeach solution saves time and money by reducing setup and teaching time. RoboTeach will ensure consistency during the teaching process and enable customers to increase their production output and maximise productivity.

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ANCA offices in the UK, Germany, Japan, China, Thailand, Brazil, Mexico, India and the USA.
Supported by a global network of agents.

RoboTeach Teaching Capability

The features that can be taught using RoboTeach are as follows:
• Teaching the gripper tool centre points (TCPs)
• Setting the gripper tool frame orientation angles
• Teaching the collet position
• Teaching the pallets (which are called userframes)
• Teaching the Z offset height

Key Benefits

- Reduces operator intervention when teaching
- Reduces teaching time from several hours to under 30 minutes
- Saves setup time and money
- Teaching of the robot is consistent
- Increases productivity and reduces downtime
- Retrofittable for ANCA machines with RoboMate and Fanuc 200iD Robots
- One teach tooling kit can be used on multiple ANCA machines with RoboMate
- The process for teaching the robot is greatly improved

Contact touch probe held in the gripper

RoboTeach carry case which includes the teach tooling

Shows the teaching of the teach pallet