

US369-Trallfa 5002

Mechanical Maintenance



The course is designed to teach students how to identify the mechanical components, proper disassembly and assembly of the robot, and preventive maintenance on the Traffa 5000 robot.

Course Duration: 3 days

Topics Include:

- Operation of robot control and mechanical unit
- Safety precautions used while doing mechanical repair
- Description and operation of mechanical components
- How to use the manual for repair and ordering of spare parts

Student Profile

- Skilled tradesmen and technicians responsible for mechanically maintaining the robot

Course Objectives

After successfully completing the course, the participant should be able to:

- Correctly practice all areas of safety that pertain to the robot system
- Describe the robot system and identify it's major components
- Describe the use of special lubricants used in the robot and identify where they are needed
- Document the special tools needed to perform mechanical maintenance on the robot
- Demonstrate and incorporate into procedure the safe use of assembly / disassembly techniques on the IRB5000 robot arm
- Describe the means and methods used for mechanical movement of each axis
- Be able to indicate in the documentation where backlash adjustments can be found for all parts of the robot
- Describe the use and layout of the spare parts catalogue for replacement part ordering

Prerequisites

- Mechanical background or experience with automatic machinery is helpful