

US384 IRB 6000/6400 Wrist Mechanical Maintenance

The course is designed to teach students how to properly disassemble and reassemble the mechanical wrist unit on the 6000/6400 robot arm. It will also teach proper preventive maintenance procedures.

Topics include

- Proper safety precautions used while performing mechanical repair
- Discussion on robot synchronization using the calibration checking program
- Description and operation of mechanical wrist components
- How to use manual for repair and ordering of spare parts

Course objectives

After successfully completing the course, the participant will be familiar with the terms and operation of the robot axis 5 & 6 wrist disassembly and reassembly using the product manuals.

The student will also be able to:

- Perform safety precautions used while doing mechanical repair
- Discuss robot synchronization using the calibration checking program
- Describe the operation of mechanical wrist components
- Disassembly and reassembly of mechanical wrist unit
- Perform ring gear backlash adjustment
- Perform intermediate gear adjustment
- Use the manual for repair and ordering of spare parts
- Describe preventive maintenance procedures on the wrist unit
- Calibrate robot with digital level



Student profile

- Industrial personnel required to mechanically repair the robots and to perform regular preventive maintenance

Prerequisites

- Mechanical background or experience is helpful

Duration

The course duration is 2 days.

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