



Robotics/Microbot Training System

Model CES 6003

CES Industries, Inc. has taken years of experience manufacturing the Microbot TeachMover to create an even more effective robotic teaching tool. The new Microbot TeachMover II includes features that will challenge your students to expand their knowledge of robotic work cells.

Features

- Newly updated PC board with additional memory (300 steps)
- Auxiliary motor outputs programmable from the Teach Pendant allows you to synchronize the movements of other material handling accessories
- Internal Power Supply - 8 axis (versus 6 axis on the original TeachMover)
- Newly added height of base increases robot work envelope (+/- 3.5")
- Rotary table can be programmed with the Teach Pendant
- Carrying case

Curriculum

Text/Lab manual takes the student through learning how to program the TeachMover Robot using the Teach Pendant. This book will guide you through how to operate a robot, step-by-step. In 10 days (hours) you will be very good at programming the robot. If you have 20 days, you will be an expert.

Text/Lab Manual

10 day pendant based curriculum for TeachMover II. This book will guide you through learning how to operate a robotic system, step-by-step. In 10 days (hours) you will be an expert at programming the robot and turntable system.

Microbot Software

Tutorial offers a series of programs to introduce students to robotic interfacing. It facilitates storage and retrieval of programs created by students.

Microbot Control Center (MCC) The purpose of the MCC software is to show the capabilities of daisy-chaining multiple Microbot controllers together and controlling them via one serial port of a computer. Software allows on screen programming of robots and robotic work cells. It provides the power to edit, record, and file a stored program using an on-screen teach pendant. The software is very flexible and easy to program.

Microbot Simulation Interactive 3D software allows students to simulate program movements. They create programs using Cartesian coordinates and download for robot movement.

CD-ROM Interactive Program This interactive program includes TeachMover tutorial software and manual. 10/20 day curriculum, and dictionary and glossary with terms and definitions.

Microbot Accessories

Conveyor consists of the following major components: two rollers, three stretch belts, stepper motor, O-ring drive belt, drive pulley, and damper, all mounted in the conveyor housing. The assembly features a precision stepper motor to ensure accurate positioning, so important in automated work cells. Connects directly to TeachMover II.

Rotary Table 9 inch diameter, 3 inch height with stepper motor drive, variable speed, forward and reverse, and tilt adjustment. Connects directly to TeachMover II.

Parts Feeder Expands the robot's capabilities. 10-45 degrees adjustable angle with adjustable side rails that hold parts up to 5 inches wide, including part present sensor.



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