

BENEFITS YOU CAN'T RESIST

• Multi-Uses

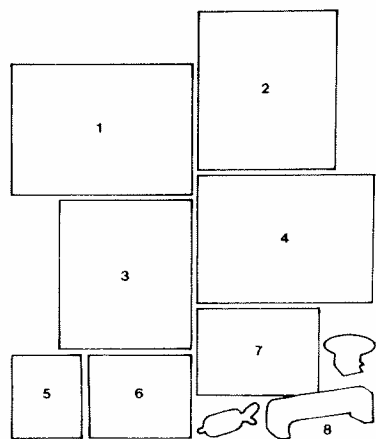
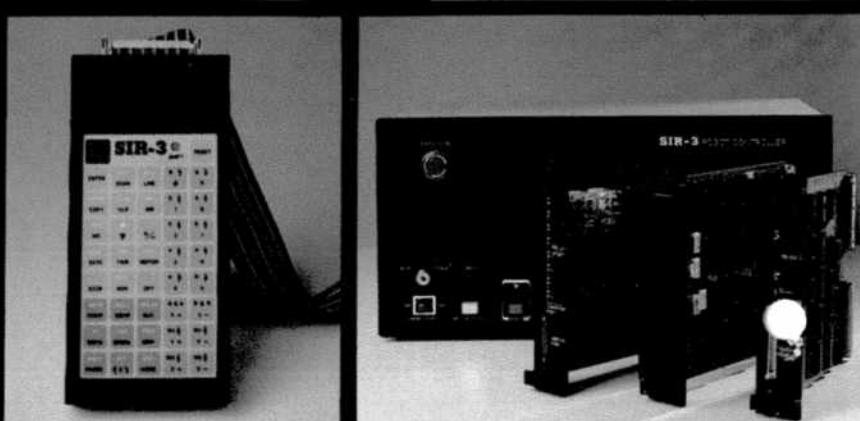
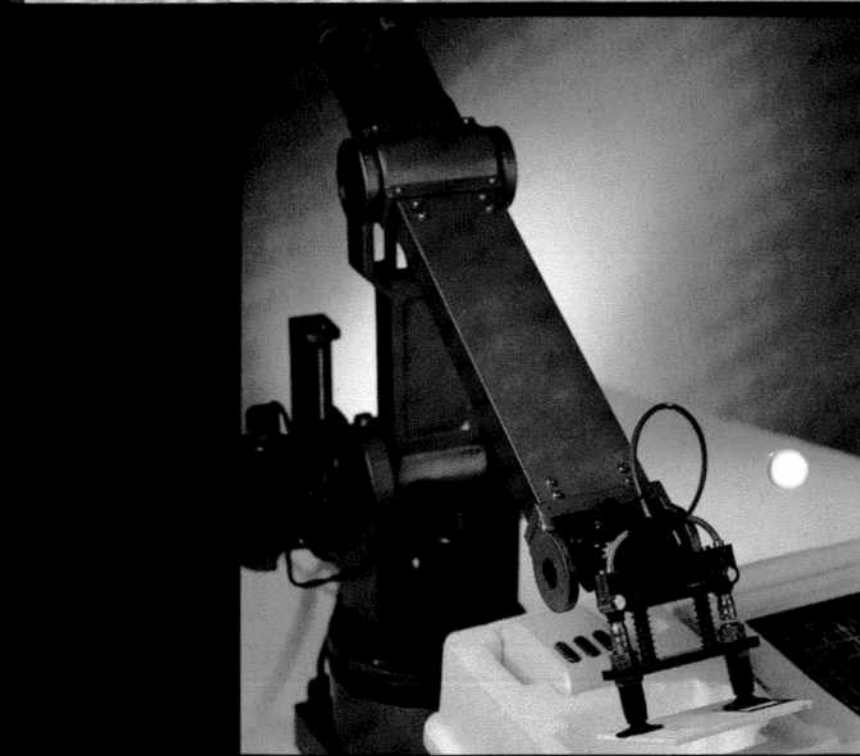
- Provides students and industrial trainees with hands-on experience in robotics and automation
- Carries out light industrial applications
- Operates in FMS environment
- Research and development

• Very user friendly and easy to operate

• Ease of Maintenance

• Right price

R O B O T



1. A host computer is used to program SIR-3 to carry out pick and place operations.
2. SIR-3 can be enhanced with vision capability for flexible automation.
3. Fixed with a vacuum hand, SIR-3 can pick and place smooth surface object.
4. For keyboard free operations, SIR-3 can be activated using a Voice Control System.
5. SIR-3 teach pendant has been designed for easy programming.
6. SIR-3 controller has a modular design to allow for ease of servicing and future enhancement.
7. Different types of end-effectors are available to handle a wide variety of work pieces.
8. SIR-3 robot system comes with various interfacing peripherals necessary to simulate a FMS workcell.

FEATURES

Fast Speed and High Dexterity

Operating at a maximum speed of 900mm/sec (35 inches/sec) with its 5 degrees of freedom, the robot arm exhibits swift motion with great flexibility.

Durability and Easy Maintenance

For durability and easy maintenance, the robot arm is aluminium cast and the integral components used are stringently selected for heavy duty operation.

User Friendly

SIR-3 is user-friendly, even a novice can program the robot with ease using the teach pendant. It has 42 keys showing all the syntax of the robot programming language and multi-coloured to distinguish the various functions.

Expandability and Enhancement

The robot controller adopts a modular design, providing for a wide range of interfacing to vision system, tactile sensing system, voice control system, process control I/Os and additional servo drives.

Smooth and Precise Movement

SIR-3 robot arm exhibits smooth and precise movement. This is achieved using dedicated microprocessor and high resolution encoder for each axis.

Versatile Permanent Program Storage

In SIR-3, permanent program storage is adequately provided with 32KB RAM, it can store up to a maximum of 99 programs. To achieve high reliability in data storage, a lithium battery is used as back-up source.

Alternative storage devices are provided via the RS232 interface and the cassette interface, which allow program storage in computer disk and audio cassette respectively.

A Wide Range of Accessories/Peripherals and Versatile I/Os

A wide range of accessories/peripherals are available to work directly with SIR-3 — no messy interfacing problems. Versatile I/Os are provided for interfacing with other robots and peripherals in a FMS environment.

Self-Diagnostic and Safety Features

SIR-3 comes with self-diagnostic capability. For greater safeguard, various safety features such as protection against overload, software and hardware limit etc are also provided in the robot.

