

# Robotics in STEM

## M.I.R.A.

mini industrial robot arm

*“An exemplary classroom learning experience in robotics”*

### INCLUDED

- Step by Step Construction Manuals.
- Operation and Programming Guide.
- Reference & background Materials on the technologies.
- 3D printing files in .STL format.
- Required components, fasteners, cables, electronics.
- Assembled Microprocessor and Interface Boards.
- Programming and visualization software / device drivers.
- Power supply and USB cable.

SKU: 5AMIR-1

### M.I.R.A - 5 axis

MIRA is the ideal robotics learning platform for teaching Science, Technology, Engineering and Math (STEM) principles at all levels.

We are surrounded by new technologies- which we know Students must embrace in order to succeed in many of tomorrows in demand technical careers.

The MIRA is our top of the line learning package, guiding the student through parts manufacture, assembly, testing

and programming of a five axis and Gripper Robot. Not just uninteresting theory- real “hands on” learning.

By following the step by step directions the student is guided through the project, whilst also learning about the underpinning technologies involved.

MIRA is supplied with a Microsoft Windows® based Programming and Visualization package- ready to go, as well as a pre programmed Arduino UNO.

The MIRA package is also flexible, its advanced functions allow students to take the finished bot and build on it, creating their own interlinked robot arrays or even write their own software control systems. Taking advantage of the open interface framework. Its a learning package than spans many curriculum areas.