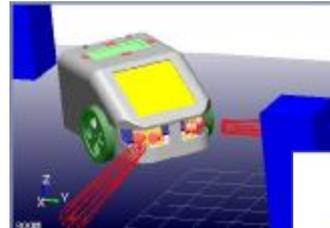


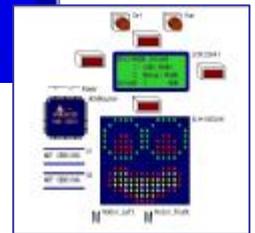
## Intelligent mobile robot design and simulation and control software

### Introduction

- ◆ User tree robot design function
- ◆ Various library for intelligent robot
- ◆ Robot Programming (Flow Chart, C Language)
- ◆ Automation C Language creation
- ◆ Virtual robot environment arrangement and simulation
- ◆ Real MICOM communication and download
- ◆ Intelligent robot education contents



3D View

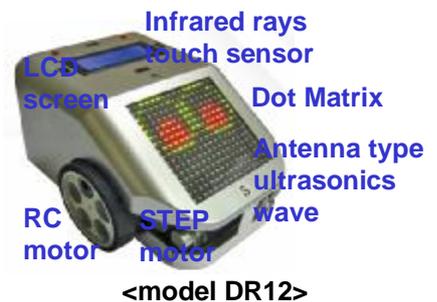


2D View

### Mobile Robot

Training Robot for control process step by step composed easy and interest learning from basic to advanced

- MCU : AT90 series-at90s1200/2313/8515  
ATmega series-atmega8/16/103/128  
At43usb series- at43usb351/353/355/320/324/325/326
- What to study : step motor, RC motor, supersonic sensor, infrared touch sensor, LCD, Dot-Matrix, remote controller, switch, ISP download



<model DR12>

### Feature1-Robot Design

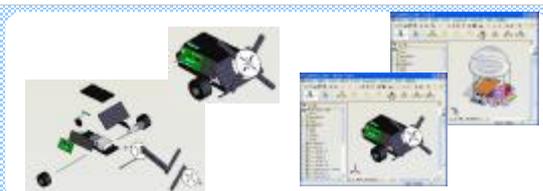
- \*Various Robot Library provide
- Commercialized robot library provide
- Builder Wizard provide for beginner



- \*Element Library
- Robot sensor element library provide
- Robot actuator library provide

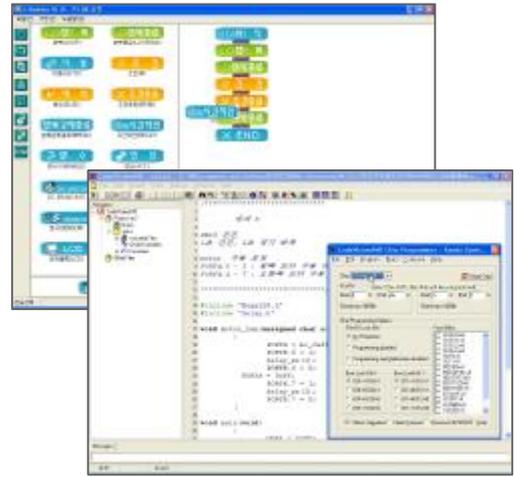


- \*3D CAD DATA Import
- 3D Modeler provide
- STL DATA Direct import



## Feature2 -Robot Control

- \*Various MICOM library
  - AVR
- \*Easy and simple GUI programming
  - Control program provide of flow chart type
  - C code creation in flow chart
- \*Making C Language program and compiler
  - C Language Editor and compiler provide



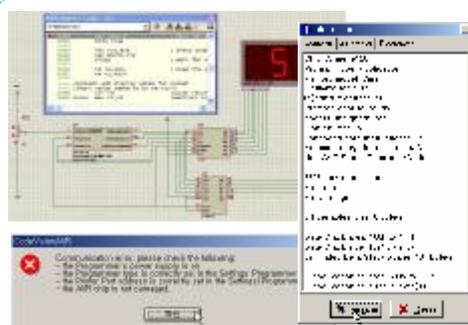
## Feature3 -Robot Environment Simulation

- \*Environment library provide
  - Various work space type
  - Wizard for making environment
- \*Environment setting
  - Obstacle environment setting



## Feature4 -Robot Verification & etc.

- \*Program Verification
  - MCU Monitoring function provide
  - Various Memory Read/Write function provide
- \*Circuit Verification
  - Circuit error part display function provide



- \*Interface with Real Robot
  - ISP Download function provide
  - JTAG communication and Download function provide
- \*Control by external operator
  - Simulation robot control by external operator

