

# M2100

## X,Y Positioning System

---

The M2100 is a unique motion platform which moves the product under the process head instead of the process head over the product. This gives the user many more choices since there is not a weight constraint on the process head. Multiple processes can also be performed on one platform. Many processes can be integrated to include those such as Vision Inspection, In Circuit Testing, Dispensing, Welding, or Soldering. Speed and accuracy performance can be configured for the application to avoid unnecessary costs. The onboard PC allows you to integrate Data Acquisition Software for process control. The system can be configured as a manually loaded, in-line, or magazine to magazine station. Martek Automation's unique approach gives you maximum flexibility at an affordable cost.



## Standard features

### CONFIGURABLE

Martek Automation's unique design can be configured three ways:

- Fully automatic SMEMA in-line system
- Magazine to magazine system
- Manually loaded semi-automatic system

It is configurable for multiple uses:

- Micro-resistance welding
- Hot bar soldering
- Dispensing
- Vision inspection
- Laser measurement
- In circuit testing

### LARGE WORK AREA

The 2100-S work-stage travel is 6" in the Y and 12" in the X. This allows full access to both large and small microcircuit substrates and PCB's.

### EMBEDDED PC CONTROLS

Allows for easy interface with most process system controls. Allows storage of multiple programs for easy change over.

### SMALL FOOTPRINT

28" wide by 32" deep helps to reduce space needed for integrated lines or stand-alone work cell.

### JOYSTICK

On-board joystick for set-up and teach/learn routines.

### QUICK CHANGE TOOLING

Standard tooling interface for quick change over of clamping fixtures.

### PERFORMANCE

Configurable for application.

## Facility requirements

- 115 VAC, 60 HZ
- 15 AMP Service

## Optional features

- CAD software. Location programmed via DXF files.
- Heated work stage. Lift and clamp stages available.

*Magazine to magazine system. >*



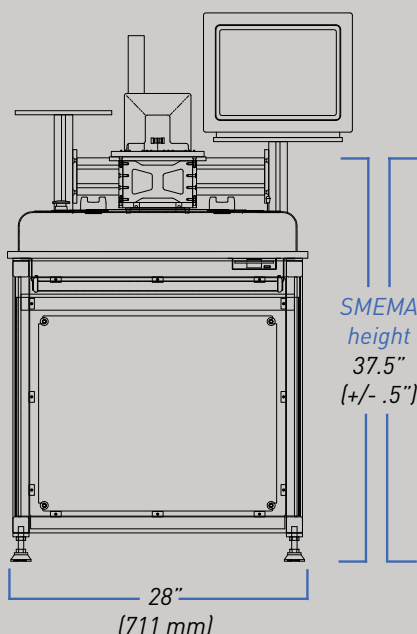
^ In-line configuration.



^ ConveyORIZED work stage for fully automated processing.

## Product dimensions

### FRONT



### SIDE

