73M Specifications

Application and Function:

The 73M is a simple workstation consisting of a microscope and two heated work holders. The operator using a pair of tweezers can pick and place the dice from a flouroware or a mirror surface to the part to be bonded.

Programming and Interface:

All input for programming and heating operation occurs through use of the touch screen display. The graphical user interface consists of a few screen forms; all displayed on a single color TFT LCD.

Features of this Series

Ring Illuminator	Luxuray II Illuminator Kit, Single Array consisting of 21 LEDS with a focal range of 80 to 120mm.
Touch Screen Display	The display is 7.0" color TFT LCD display, with capacitive touch for easy adjusting of data fields.
Primary Work Stage	The primary work holder has a working area of 2" x 2" The primary stage has a working temperature of up to 450°C.
Preheater Work Stage	The preheat stage has a work surface of 2" x 4", for holding multiple parts during pre-heat. The preheater stage has a working temperature of up to 350°C.
Stereo Zoom Microscope	Olympus, Model SZ51-60 Microscope with E-Arm, with 10X eyepieces with magnification of 0.8 to 4x (8 to 40X)
ESD - Earth ground	For static sensitive parts, a ground point for operator wrist strap is part of the system.

Facility Requirements

- **Power**: Electrical service required is 50-60 Hz, single phase, either 115 VAC or 230 VAC depending on the model ordered.

Input must be configured at the factory for 230 VAC. Fuse and three-prong power cord connectors are provided for 115 VAC: For 230 VAC, these must be changed to conform to local requirements.

- **Nitrogen or Forming Gas:** Regulated to under 100 psi at the system is required. Connected via a ¼-in. OD tubing.
- **Vacuum:** The workstation has a 1/16” vacuum hole to hold the device in place, typically 20 – 25 in/hg is sufficient to hold most parts in place. Connected via a ¼-in. OD tubing.