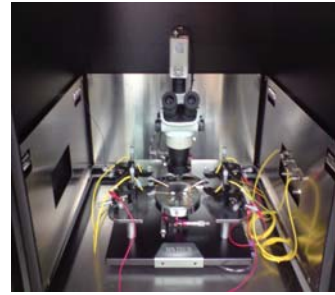


# MST-5000A PROBE STATION

## FEATURE

- Low noise, Low coast measurement, on ground system
- Using mainly triaxial shield system
- Manufacturing based 5" wafer size body



## SPECIFICATIONS

Model : MST-5000A

### 1. MST-5000A Main Body

#### A. 5 inch Coaxial Vacuum Chuck

- Leakage current level :  $\sim 1$  pA less than ( $\sim 1$  pA less than,  $\pm 10\%$ )
- Coaxial Vacuum Chuck (Al, Sending Anodizing Coating)
- From 3 to 5 inch
- On/broken wafer vacuum
- Chuck theta 360c control unit
- X/y Stage Manual Handle  
Travel : 50mm x 50mm

#### B. Microscope - OLYMPUS 51(경품)- 80x

- X/y Stage Manual Handle  
Travel : 50mm x 50mm
- Eyepiece : 20x
- Object Lense : 1 ~ 4x
- Total Magnification : 80x

### 2. Micro Positioner body - PB50

- ( $\sim 1$  pA less than,  $\pm 10\%$ )
- Manipulator high resolution type
- LM cross roller type
- X/Y/Z fine micrometer control knob
- Submicron geometric vacuum base type
- Resolution : 2um
- Travel : 6mm
- Vacuum on/off switch

### 3. Probe Holder\_ C type or Ca\_type

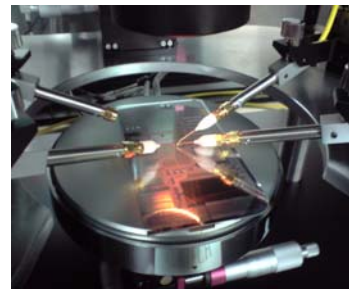
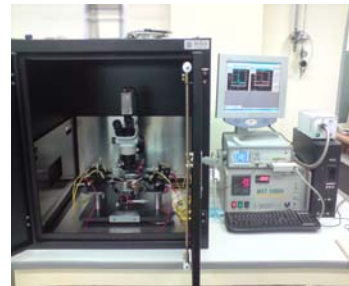
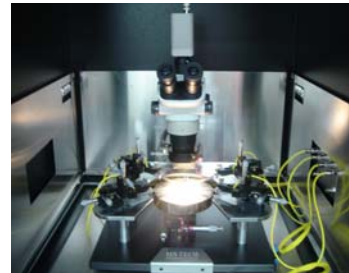
- ( $\sim 1$  pA less than,  $\pm 10\%$ )
- Sus Shield, Vend Tip

### 4. Probe tip

- MST\_T\_0.5um Vend 10ea

### 5. Vacuum pump

- Applied a exclusive laboratory
- 620mm/Hg (for laboratory / low noise)



## OPTION

### 6. Dark shield box

- Dimension : 700 x 700 x 700
- Plate 4 TRX, 2 BNC

### 7. Vibration\_Desk Type

- Dimension : 550 x 550 x 50

### 8. Hot Chuck & Controller

- Hot Temp :  $\sim 300^{\circ}\text{C}$
- Temp Resolution :  $\sim (0.1^{\circ}\text{C} \sim 1^{\circ}\text{C})$
- PC Control S/W, USB Interface.
- Temp Sweep : 20 Sector Data
- Circuit Protect 10A, Power 220V

### 9. CCD CAMERA SYSTEM

C-MOUNT SANYO 6574A, RECEIVED CARD



## REMARK

- Low Noise Guarantee : less than 3pA less than
- Available more condition in good environment : less than 1pA
- Warranty 3 years
- Customize application

