

# ANALYZE TRIAXIAL I-V MEASUREMENT SYSTEM

## FEATURE

- Low noise measurement, on ground system
- Using mainly triaxial shield system
- Manufacturing based 8" wafer size body

## SPECIFICATIONS

Model : MST6000C

### 1. MST-6000C Main Body\_3.0 Version

#### A. 6 inch Low noise Triaxial Vacuum Chuck

- Leakage current level : ~50fA (~ 50fA less than, +/- 10%)
- Low noise Triaxial Vacuum Chuck (Al, Nikel Coating, Ceramic base, Suss304 cover, on ground )
- From 3 to 6 inch
- On/broken wafer vacuum
- Chuck theta 15c fine control unit : Micrometer 150-191 handle

#### B. Z Stage Up/down

- Stage plate up/down fine control 20mm
- Al 5051, "U" platen, 6 positioner up type
- Micrometer, fine control handle lift type
- Microscope Up/down lift

#### C. 6"x6" X-Y Stage Unit

- X-Y fine, speed motion knob control unit and system large type
- LM Lead screw 2line
- Boll screw sub
- Coupling mount type
- Motion control buffer unit
- Resolution : Less than 5um
- Travel : 150mm ( avail 8" expansion)

#### D. 2"x2" X-Y micrometer Translation manual type

#### E. Other units

- 6 positioner's vacuum switch : Left, right

### 2. Microscope - OLYMPUS Scope (80x)

- X-Y motion control : LM cross roller type
- Zoom Level type ( 1~4X)
- 2 eyepiece : 20X
- Magnification : 90x
- Microscope beam splitter type, Volume control

### 3. Positioner body - HIGH RESOLUTION : 1um

- ~50fA Holder
- Manipulator high resolution type
- LM cross roller type
- X/Y/Z fine micrometer control knob
- Submicron geometric vacuum base type
- Resolution : 2um
- Travel : 15mm
- Vacuum on/off switch

### 4. Probe Holder (50 fA less than, on ground)

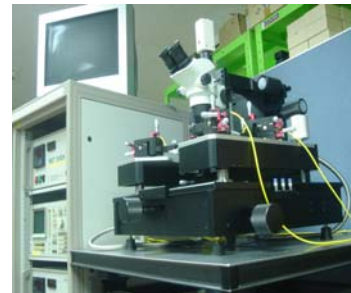
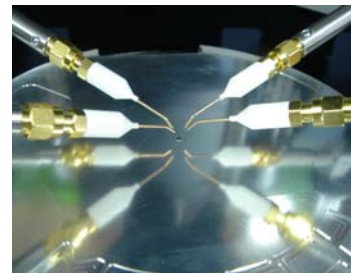
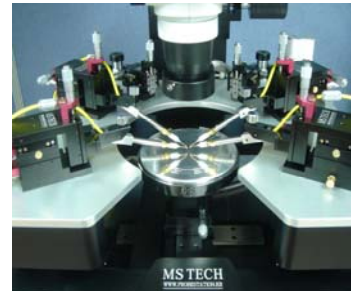
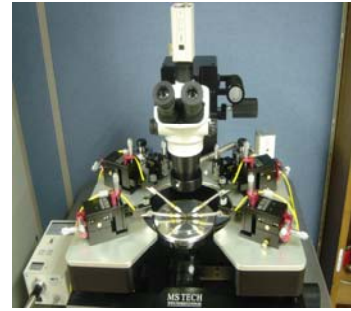
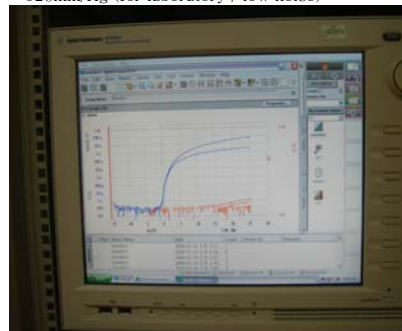
- Triaxial adaptor, cable 3 M
- Low noise holder ( ~ 50fA level )

### 5. Probe tip

- MST\_T\_0.5um 5ea\_CAL

### 6. 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 Table\_optic Type

- Dimension : 900 x 900 x 800

### 8. Hot Chuck & Controller

- Hot Temp : ~ 300c
- Temp Resolution : ~ (0.1c ~ 1c)
- 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 50fA
- Available more condition in good environment : less than 50fA
- Warranty 3 years
- Customize application