

## AMAT Endura CL Configuration

### 1.General Information

|                   |   |  |                 |   |  |
|-------------------|---|--|-----------------|---|--|
| <u>Object</u>     | : |  | <u>Manager</u>  | : |  |
| <u>Customer</u>   | : |  | <u>Key No</u>   | : |  |
| <u>Location</u>   | : |  | <u>Outline</u>  | : |  |
| <u>Date</u>       | : |  |                 |   |  |
| <u>De-Install</u> | : |  | <u>Movement</u> | : |  |

### 2.System Information

|                         |           |                             |                               |   |         |
|-------------------------|-----------|-----------------------------|-------------------------------|---|---------|
| <u>Vintage</u>          | :         |                             | <u>Scanner Q'ty</u>           | : | 1ea     |
| <u>Type</u>             | :         | Endura CL (VME Ver.)        | <u>Generator Rack Q'ty</u>    | : | 2ea     |
| <u>S/N</u>              | :         |                             | <u>Distribution Rack Q'ty</u> | : | 1ea     |
| <u>RGA Rack</u>         | :         | None                        | <u>AC Rack Q'ty</u>           | : | 1ea     |
| <u>Chamber</u>          | :         | D( PC-XT), 1(IMP), 2/3(TxZ) | <u>Transformer Rack Q'ty</u>  | : | None    |
|                         | :         | Ch E/F(STD Degas)           | <u>Monitor Rack</u>           | : | Missing |
|                         | :         |                             | <u>Front Monitor Rack</u>     | : | 1ea     |
| <u>Software Version</u> | <u>FE</u> | :                           | <u>Remark</u>                 |   |         |
|                         | <u>FI</u> | :                           |                               |   |         |
|                         | <u>RT</u> | :                           |                               |   |         |

### 3.System Component Information

#### 3.1 Factory Information

|                           |                          |                               |
|---------------------------|--------------------------|-------------------------------|
| <u>FFU Type</u>           | Built-in                 | <u>Remark</u>                 |
| <u>POD Q'ty</u>           | :2ea                     |                               |
| <u>Flex Controller</u>    | :VME Type                | *Kensington Robot 1: Missing  |
| <u>Light Curtain</u>      | :FABS Type               | *Robot Controller 1/2:Missing |
| <u>Signal Tower</u>       | :3Color(RED Only use)    | *FI HDD/FDD:Missing           |
| <u>Robot Type</u>         | :Kensington              | *CD ROM:Missing               |
| <u>Aligner Type</u>       | :Single Axis Stand Alone | *FI CPU BD:Missing            |
| <u>Passthrough Option</u> | :Dummy 12 Slot           |                               |

#### 3.2 SW Loadlock Information

|                            |                   |               |
|----------------------------|-------------------|---------------|
| <u>SW Loadlock Type</u>    | : STD SWLL        | <u>Remark</u> |
| <u>Degas Module Option</u> | :Lamp Module none |               |

#### 3.3 Degas Chamber Information

|                            |                  |                    |
|----------------------------|------------------|--------------------|
| <u>Degas Chamber Q'ty</u>  | :2ea(E/F)        | <u>Remark</u>      |
| <u>Chamber Type</u>        | :STD Heater Type |                    |
| <u>Degas Module Option</u> | :none            | *Cryo Pump:Missing |
| <u>Cryo Pump</u>           | :Missing         |                    |
| <u>Cryo Pump Temp</u>      | :                |                    |
| <u>Base Pressure</u>       | :                |                    |
| <u>Dry Pump Option</u>     | :                |                    |

### 3.4 Chamber A&B Information

|                  |              |               |
|------------------|--------------|---------------|
| <u>Chamber A</u> | :Passthrough | <u>Remark</u> |
| <u>Chamber B</u> | :Cooldown    |               |
| <u>Lid type</u>  | :Clear Lid   |               |

### 3.5 Buffer&Transfer Information

|                            |             |                                    |
|----------------------------|-------------|------------------------------------|
| <u>Robot Type</u>          | : VHP Robot | <u>Remark</u>                      |
| <u>Slit V/V Ass'y Q'ty</u> | :12ea       |                                    |
| <u>Slit V/V Door Q'ty</u>  | :12ea       | .Buffer/Transfer Cryo Pump:Missing |
| <u>Chamber Insert Q'ty</u> | :           | *Monolith Lifter Install           |
| <u>LCF Q'ty</u>            | :None       | *SBC452 BD:Missing                 |
| <u>LCF Amplifire Q'ty</u>  | :None       | *P-III CPU BD:Missing              |
| <u>RGA Option</u>          | :           | *Buffer Interlock BD:Missing       |
| <u>Cryo Pump</u>           | :Missing    | *FE HDD:Missing                    |
| <u>Cryo Pump Temp</u>      | :           | *RT HDD:Missing                    |
| <u>Base Pressure</u>       | :           | *FE/RT FDD:Missing                 |
|                            |             | *VHP Robot Cover:Missing           |

### 3.6 Chamber 1 Information

|                              |                  |                           |   |
|------------------------------|------------------|---------------------------|---|
| <u>Process Type</u>          | :Vectra IMP      | <u>Funtion Check Item</u> |   |
| <u>Magnet</u>                | :                | <u>Target Usage</u>       | : |
| <u>Adaptor</u>               | :IMP Adaptor     | <u>Base Vacuum</u>        | : |
| <u>Weldment Type</u>         | :STD             | <u>ROR</u>                | : |
| <u>Controller Tower Type</u> | :CL STD Type     | <u>Heater Temperature</u> | : |
| <u>Lid Hoist Type</u>        | :Gas Spring Type | <u>Cryo Temperature</u>   | : |
| <u>Heater Type</u>           | :B101            | <u>Cooling Water F/R</u>  | : |
| <u>Gate V/V Type</u>         | :3Pos            | <u>Scanner Name</u>       | : |
| <u>Cryo Pump</u>             | :Missing         | <u>Heater Spacing</u>     | : |
| <u>Shutter Option</u>        | :CL STD Type     | <u>Shutter Position</u>   | : |
| <u>Coil Match Option</u>     | :Missing         |                           | : |
| <u>Bias Match Option</u>     | :Missing         |                           | : |
| <u>MFC</u>                   | :1ea             |                           | : |
|                              | :                |                           | : |
|                              | :                |                           | : |
|                              | :                |                           | : |
|                              | :                |                           | : |

#### Chamber 1 Note

- |                                  |                                               |
|----------------------------------|-----------------------------------------------|
| 1.Cryo Pump Missing              | 6.Bias Pedestal dragon RF Power Cable Missing |
| 2.2MHz Coil Matching Box Missing | 7.Ion/Convectron Gauge Controller Missing     |
| 3.Bias Matching Box Missing      | 8.Pedestal Driver Missing                     |
| 4.Shutter Driver Missing         |                                               |
| 5.Wafer Lift Driver Missing      |                                               |

### 3.7 Chamber 2 Information

| <u>Process Type</u>             | :TxZ           | <u>Funtion Check Item</u> |   |
|---------------------------------|----------------|---------------------------|---|
| <u>Gas Box Type</u>             | :TFTE DLI Type | <u>Wall Temp</u>          | : |
| <u>Gas Delivery&amp;Exhaust</u> | :TFTE Type     | <u>Heater Spacing</u>     | : |
| <u>Pump</u>                     | :Turbovac 361C | <u>ROR</u>                | : |
| <u>Heater Type</u>              | :TxZ STD       | <u>Heater Temperature</u> | : |
| <u>Throttle V/V Type</u>        | :Missing       | <u>Scanner Name</u>       | : |
| <u>Turbo Isolation Valve</u>    | :Angle Valve   |                           | : |
| <u>Purge Module</u>             | :Missing       |                           | : |
| <u>Baratron Gauge</u>           | :2T/1000Torr   |                           |   |
| <u>MFC</u>                      | :STEC          |                           |   |
|                                 | : 5ea          |                           |   |
|                                 | :              |                           |   |
|                                 | :              |                           |   |
|                                 | :              |                           |   |

#### Chamber 2 Note

- |                                                             |                         |
|-------------------------------------------------------------|-------------------------|
| 1.Chamber Feedthrough Missing                               | 6.Lids ideCVGGF Missing |
| 2.DI/O BD Missing                                           | 7.TDMAT Bottle Missing  |
| 3.Throttle Valve Missing                                    |                         |
| 4.Purge Module dragon MFC(Bottom/Edge/BS) and Valve Missing |                         |
| 5. Purge Module Bracket Missing                             |                         |

### 3.8 Chamber 3 Information

| <u>Process Type</u>             | :TxZ           | <u>Funtion Check Item</u> |   |
|---------------------------------|----------------|---------------------------|---|
| <u>Gas Box Type</u>             | :TFTE DLI Type | <u>Wall Temp</u>          | : |
| <u>Gas Delivery&amp;Exhaust</u> | :TFTE Type     | <u>Heater Spacing</u>     | : |
| <u>Pump</u>                     | :Turbovac 361C | <u>ROR</u>                | : |
| <u>Heater Type</u>              | :Missing       | <u>Heater Temperature</u> | : |
| <u>Throttle V/V Type</u>        | :Missing       | <u>Scanner Name</u>       | : |
| <u>Turbo Isolation Valve</u>    | :Missing       |                           | : |
| <u>Purge Module</u>             | :BOT/EDGE/BS   |                           | : |
| <u>Baratron Gauge</u>           | :2T/1000Torr   |                           |   |
| <u>MFC</u>                      | :STEC          |                           |   |
|                                 | : 5ea          |                           |   |
|                                 | :              |                           |   |
|                                 | :              |                           |   |
|                                 | :              |                           |   |

#### Chamber 3 Note

- 1.Chamber Feedthrough Missing
- 2.TxZ Heater&Lift Pin Missing
- 3.Throttle Valve Missing
- 4.Purge Module MFC(BS) Valve Missing
- 5.Purge Module Bracket Missing

### 3.9 Chamber 4 Information-EMPTY

|                              |   |                           |   |
|------------------------------|---|---------------------------|---|
| <u>Process Type</u>          | : | <u>Funtion Check Item</u> |   |
| <u>Magnet</u>                | : | <u>Target Usage</u>       | : |
| <u>Adaptor</u>               | : | <u>Base Vacuum</u>        | : |
| <u>Weldment Type</u>         | : | <u>ROR</u>                | : |
| <u>Controller Tower Type</u> | : | <u>Heater Temperature</u> | : |
| <u>Lid Hoist Type</u>        | : | <u>Cryo Temperature</u>   | : |
| <u>Heater Type</u>           | : | <u>Cooling Water F/R</u>  | : |
| <u>Gate V/V Type</u>         | : | <u>Scanner Name</u>       | : |
| <u>Cryo Pump</u>             | : | <u>Heater Spacing</u>     | : |
| <u>Shutter Option</u>        | : | <u>Shutter Position</u>   | : |
| <u>Coil Match Option</u>     | : |                           | : |
| <u>Bias Match Option</u>     | : |                           | : |
| <u>Power Supply 1</u>        | : |                           | : |
| <u>Power Supply 2</u>        | : |                           | : |
| <u>Power Supply 3</u>        | : |                           | : |
| <u>MFC</u>                   | : |                           | : |
| <u>Chamber 4 Note</u>        |   |                           |   |

### 3.10 Chamber C Information-EMPTY

|                              |   |                           |   |
|------------------------------|---|---------------------------|---|
| <u>Process Type</u>          | : | <u>Funtion Check Item</u> |   |
| <u>Resonator Type</u>        | : | <u>Base Vacuum</u>        | : |
| <u>Controller Tower Type</u> | : | <u>ROR</u>                | : |
| <u>Heater Type</u>           | : | <u>Cooling Water F/R</u>  | : |
| <u>Gate V/V Type</u>         | : | <u>Scanner Name</u>       | : |
| <u>Pump Type</u>             | : | <u>Heater Spacing</u>     | : |
| <u>Shutter Option</u>        | : |                           |   |
| <u>Bias Match Option</u>     | : |                           |   |
| <u>MFC</u>                   | : |                           |   |
|                              | : |                           |   |
|                              | : |                           |   |
|                              | : |                           |   |
|                              | : |                           |   |
|                              | : |                           |   |
|                              | : |                           |   |
|                              | : |                           |   |
| <u>Chamber C Note</u>        |   |                           |   |

### 3.11 Chamber D Information

|                                                                                                                                                                                                                                               |                    |                           |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------|---|
| <u>Process Type</u>                                                                                                                                                                                                                           | :PC-XT             | <u>Funtion Check Item</u> |   |
| <u>Resonator Type</u>                                                                                                                                                                                                                         | :w/Fan Resonator   | <u>Base Vacuum</u>        | : |
| <u>Controller Tower Type</u>                                                                                                                                                                                                                  | :CL STD Type       | <u>ROR</u>                | : |
| <u>Heater Type</u>                                                                                                                                                                                                                            | :Missing           | <u>Cooling Water F/R</u>  | : |
| <u>Gate V/V Type</u>                                                                                                                                                                                                                          | :2Pos              | <u>Scanner Name</u>       | : |
| <u>Pump Type</u>                                                                                                                                                                                                                              | :Turbovac 1000C    | <u>Heater Spacing</u>     | : |
| <u>Shutter Option</u>                                                                                                                                                                                                                         | :None              |                           |   |
| <u>Bias Match Option</u>                                                                                                                                                                                                                      | :Present(13.56MHz) |                           |   |
| <u>MFC</u>                                                                                                                                                                                                                                    | :STEC              |                           |   |
|                                                                                                                                                                                                                                               | : 2ea              |                           |   |
|                                                                                                                                                                                                                                               | :                  |                           |   |
|                                                                                                                                                                                                                                               | :                  |                           |   |
|                                                                                                                                                                                                                                               | :                  |                           |   |
| <u>Chamber D Note</u><br>1.Analog BD Missing<br>2.Pedestal Lift Ass'y Missing<br>3.Lift/Pedestal Driver Missing<br>4.Bias Matching Box Missing<br>5.Pedestal RF Power Cable Missing<br>6.RGA Manual Valve Missing<br>7.PC-XT Pedestal Missing |                    |                           |   |

### 4.0 DI Max Cooler

|                          |              |               |
|--------------------------|--------------|---------------|
| <u>DI Max Cooler</u>     | :DI MAX      | <u>Remark</u> |
| <u>DI Water Pressure</u> | :            |               |
| <u>Main DI Line Type</u> | :Jabara Type |               |
| <u>Resistivity</u>       | :            |               |

### 4.1 Compressor

|                            |          |                                         |
|----------------------------|----------|-----------------------------------------|
| <u>Compressore Type</u>    | :Missing | <u>Remark</u>                           |
| <u>Static He Pressure</u>  | :        | 1.High Capacity Compressor Rack Missing |
| <u>Dinamic He Pressure</u> | :        |                                         |

### 4.2 Chiller

|                          |              |               |
|--------------------------|--------------|---------------|
| <u>Chiller</u>           | :Steelhead 1 | <u>Remark</u> |
| <u>DI Water Pressure</u> | :            |               |
| <u>Temp</u>              | :            |               |
| <u>Resistivity</u>       | :            |               |

#### 4.3 SUB Rack

|                          |                        |               |
|--------------------------|------------------------|---------------|
| <u>Distribution Rack</u> | :1ea                   | <u>Remark</u> |
| <u>Generator Rack</u>    | :2ea                   |               |
| <u>AC Rack</u>           | :1ea                   |               |
| <u>Transformer Rack</u>  | :None                  |               |
| <u>Power Supply Item</u> | Model                  | S/N or P/N    |
| <u>Ch1</u>               | Dual Pinnacle 10KW+6KW | 1ea           |
|                          | HFV-8000 5KW           | 1ea           |
| <u>Ch2</u>               | COMDEL CLX-2500        | 1ea           |
|                          | COMDEL CLX-2500        | 1ea           |
| <u>Ch3</u>               |                        |               |
|                          |                        |               |
| <u>Ch4</u>               |                        |               |
|                          |                        |               |
| <u>ChC</u>               |                        |               |
|                          |                        |               |
| <u>ChD</u>               | ENI GMW-25A 2MHz       | 1ea           |
|                          | ENI GHW-12A 13.56MHz   | 1ea           |
|                          |                        |               |

#### 4.4 Dry Pump

|                         |          |               |
|-------------------------|----------|---------------|
| <u>System Pump Type</u> | :Missing | <u>Remark</u> |
| <u>RPC Pump Type</u>    | :Missing |               |
| <u>SWLL Pump Type</u>   | :Missing |               |
| <u>Degas Pump Type</u>  | :Missing |               |