

## Hitachi CG4000

<b>Manufacturer</b>	Hitachi
<b>Model</b>	CG4000
<b>Description</b>	CD-measurement system
<b>Other information</b>	
<b>Year of manufacture</b>	
<b>Serial number</b>	3106-01
<b>Site size</b>	12 inches / 300mm
<b>Condition</b>	As-is where is
<b>Resolution</b>	1.8 nm (Accelerating voltage: 800 V)
<b>Accelerating voltage</b>	300 - 1, 600 V (10V steps) (200 - 2,000 V: Option)
<b>Repeatability</b>	±1% or 0.3 nm (3 $\sigma$ ) max. (Sample used: Hitachi standard wafer)
<b>SW Version</b>	33.1D
<b>MAM Time</b>	3.4sec
<b>VID</b>	VID753



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Corporate EHSS Equipment Decommission Standard

### 5.0 Equipment Defacilitation and Decontamination Form

#### 5.1 Instructions

**Important:** This form is mandatory. Site-specific forms may be used in addition to this form.

- Complete all sections with an asterisk "\*" for equipment defacilitation conducted at Micron.
- One copy must remain in a plastic sleeve on the tool. One copy must be retained by the site.

#### 5.2 General Information\*

Manufacture: HITACHI - COSEM	Model #: CG4000
MICAP or Micron Asset#: 1201428	Serial #: 3106-01
Storage, Shipdoc, MICAP#: _____	Description: _____
Sending Site: Fab15	Receiving Site: Fab8
Tool Owner: Nakamura	PHL New Pager #: +81 80 9687 7785

<input type="checkbox"/> Clean	<input type="checkbox"/> Repair	<input checked="" type="checkbox"/> Transfer	<input type="checkbox"/> Disposal	<input type="checkbox"/> Storage	<input type="checkbox"/> Return
<input type="checkbox"/> Sell	<input type="checkbox"/> Scrap	<input type="checkbox"/> Donate	<input type="checkbox"/> Customer Visit	<input type="checkbox"/> Other	

#### 5.3 Process Chemical Purge/Flush\*

Process chemicals used with this equipment  
N/A

Process byproduct and the hazards if known  
N/A

Flush chemicals used with this equipment  
N/A

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#### 5.4 Decontamination\*

A checked box indicates that the equipment contains or has been exposed to that chemical. Check all that apply.

<input type="checkbox"/> Corrosive	<input type="checkbox"/> Pump Oils	<input type="checkbox"/> Slurry
<input type="checkbox"/> Solvents	<input checked="" type="checkbox"/> DI Water/Water	<input type="checkbox"/> Gases/Pyrophorics
<input type="checkbox"/> Copper	<input type="checkbox"/> Lead	<input type="checkbox"/> Ethylene Glycol
<input type="checkbox"/> Arsenic/Boron/Phosphorous	<input type="checkbox"/> Other (Spec)	

**RoHS Compliance:** If tool is to be shipped to EU it cannot contain any of the items below. If equipment contains any of the items below do not ship. If additional information is required contact site and Corporate EHSS for further instructions.

<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Hexavalent Chrome (Cr <sup>VI</sup> )	<input type="checkbox"/> Polybrominated Biphenyls (PBB)
<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Gases/Pyrophorics

#### 5.5 Defacilitation\*

Check all physical hazards or hazardous energies (Non-chemical hazards) that apply:

<input type="checkbox"/> Ionizing Radiation	<input checked="" type="checkbox"/> Mechanical/Kinetic Energy	<input type="checkbox"/> Non-Ionizing Radiation
<input checked="" type="checkbox"/> Stored Energy (pressure vessels, springs, etc.)	<input type="checkbox"/> Magnets	<input checked="" type="checkbox"/> Electrical Energy
<input type="checkbox"/> Other Hazards (Specify): _____		

#### 5.6 Defacilitation and Decontamination Declaration\*

Yes	NA	No	Equipment meets clearance level criteria. (Clearance Levels)
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> NA	<input type="checkbox"/> No	All materials exposed to process gases/residues cleaned. (Chemical Purge/Flush)
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> NA	<input type="checkbox"/> No	All materials exposed to liquid chemicals/residues cleaned. (Chemical Purge/Flush)
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> NA	<input type="checkbox"/> No	All debris and wafer chips have been removed. (Decontamination)
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> NA	<input type="checkbox"/> No	All free flowing liquids have been removed and lines capped. (Chemical Purge/Flush)
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> NA	<input type="checkbox"/> No	Gas systems are vented and purged (as required) and capped. (Chemical Purge/Flush, Decontamination, Line Break)

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作業をする時  
下さい。  
P/N 003 3019

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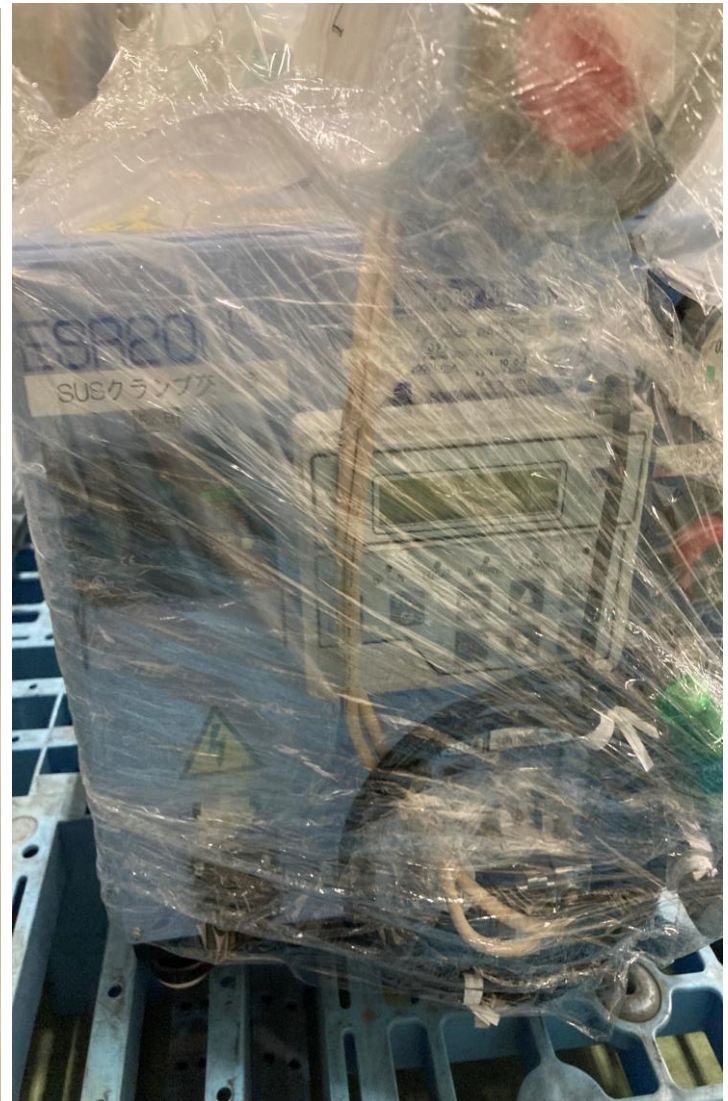
	Completed?	Initials	Employee #	Date
Line Breaks and Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NA	Hosajiri	122228	2020/5/22
Removal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NA	Hosajiri	122228	2020/5/22

5.8 Disposition/Shipment  
Equipment or Tool Owner: By completing and signing this form, I acknowledge that the equipment has been decontaminated as outlined above.  
Takeshi Takajiri 2020/5/22  
Signature and employee# Mr. Murakami 2020.5.22  
PSM Koji Tanaka (1125778) Date: 2020.5.27

5.9 EHSS Signature  
I have reviewed the form and performed an external visual inspection of the tool.  
Signature and employee# Paulo EHS 1125778 Date: 2020.5.27

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All Equipment is offered subject to prior sale. This item will be quoted based upon specific terms and configuration required.

Interested parties may contact PTW ASIA PTE LTD at: [ask@ptwsingapore.com](mailto:ask@ptwsingapore.com)

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