

<http://www.globalfoundriesusedequipment.com/iinfo.cfm?ItemNo=191174>


**a. General**

Cat	Description		
Tool id	MES1501		
<b>Vendor / Supplier</b>	Veeco (Bruker Nano)		
<b>Model</b>	X-3D ATOMIC FORCE MICROSCOPE (AFM)		
<b>Process</b>	AFM		
<b>Vintage (Year of Manufacture)</b>	2004		
<b>Serial No.</b>	123		
<b>Asset Description</b>			
<b>Tool Status (Unhooked/Cold shutdown /Warm shutdown/Online)</b>	Unhooked, in Park Position		
<b>Software Version</b>	713B122		
<b>CIM</b>	2004		


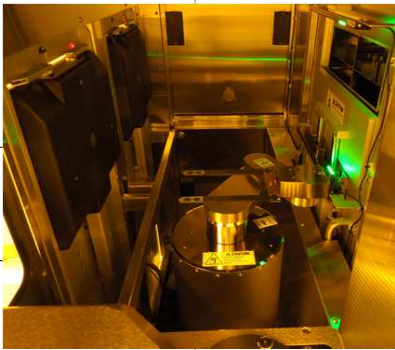

**b. Hardware Configuration (Fab)**

Cat	Description	Qty / Units	Status,tick if ok[✓ ]
<b>Main System</b>	Main body (carrier stage)	1	
<b>FOUP System (300mm)</b>	Brooks IsoPort	2	
<b>Handler System</b>	Wafer Handling Robot	1	
	Aligner	1	
<b>Process Chms</b>	Measurement Chamber, AFM Head	1	
<b>Others</b>	Operator console	1	

**a. General**

Description			
Eqpt ID			
Vendor / Supplier / Model			

**b. Hardware Configuration (Fab)**

Description			
Main System (Tool)			
			
			

**MIC - Veeco AFM**

<b>1.</b>	<b>Manufacturer</b>	Veeco (Bruker Nano)
<b>2.</b>	<b>Model</b>	ATOMIC FORCE MICROSCOPE (AFM)
<b>3.</b>	<b>Process Name</b>	AFM
<b>4.</b>	<b>General Configuration</b>	
	1 Safety Specification	Veeco (Bruker Nano)
	2 System Layout Type	na
	3 System Hand	na
	4 N2 Load Lock	na
	5 Heater Type	na
	6 Torch heater	na
	7 FOUP	Shin-Etsu
	9 SMIF model	na
<b>5.</b>	<b>Process Gasses</b>	
	1 Process Gas 1	PVAC
	2 Process Gas 2	CDA
	3 Process Gas 3	N2
	4 Process Gas 4	
	5 Process Gas 5	
	<b>Gas Distribution System</b>	
	8 Basic Style	na
	9 Tubing Material	na
	10 Tubing Finish	na
	11 Manual valve	na
	12 Air-Operated Valve	na
	15 MFC	na
<b>6.</b>	<b>Wafer/Cassette Handling</b>	
	1 Wafer Type	300mm semi standards notch
	3 FOUP Type	Shin-Etsu
	4 Cassette Number of Wafers	25
	5 Cassette Storage Qty	2
	6 Fork Type/Material	na
	6 Fork Variable Pitch	Single EEF
<b>7.</b>	<b>Boat / Pedestal</b>	
	1 Qty of Production Wafers	1
	2 Boat rotation	na
<b>8.</b>	<b>System Controls</b>	
	1 System Controller	
	Torch Controller	na
	3 Signal Tower Colours	G/G/R/B
	5 General Pressure Display Units	Pressure Mpa
	6 Cabinet Exhaust Display Units	na
<b>9.</b>	<b>Temp Control</b>	
	Furnace Temp Controller	na
<b>10.</b>	<b>Host Communications</b>	
	1 Host Communications	User Host computer
	2 User Host Computer I/F	na
	3 Information Transfer Protocol	GEM-SECS
	4 Equipment Host I/F connection	na
	5 Group controller	na
<b>11.</b>	<b>Facility Elect. - Equip. Pwr Input (2 line)</b>	
	Voltage 3 phase	na
	Voltage 1 phase	240V
	UPS input voltage / output voltage	na