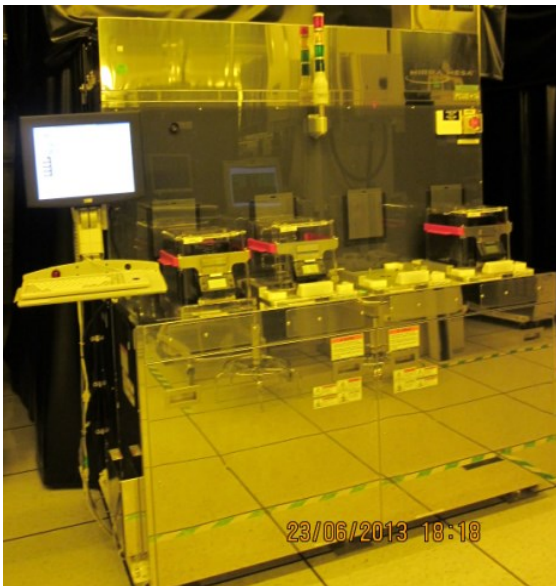
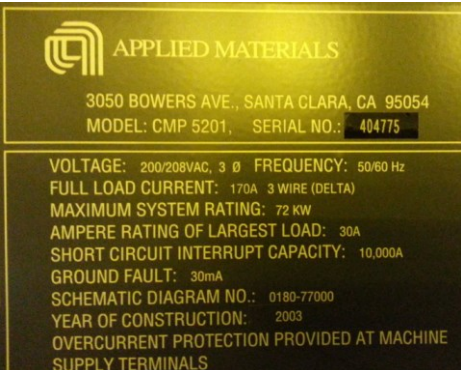





<b>Make:</b>	<b>Applied Materials</b>
<b>Model</b>	Mirra 3400 (for CMP Polisher) & Mesa (for CMP POST Cleaner)
<b>Process</b>	PCUDCU
<b>Vintage (Year of Manufacture)</b>	2003
<b>Description</b>	AMAT_MIRRA MESA_CMP
<b>Status</b>	On line
<b>Software Version</b>	MB60a1 (for Mirra Polisher) & CB22p2 (for Mesa Cleaner)
<b>CIM</b>	Linked

**Hardware Configuration**

<b>Main System</b>	Mirra Polisher	1	✓
	Mesa Cleaner	1	✓
	FABS Cassette System	1	✓
<b>SMIF System</b>	Not applicable		
<b>Handler System</b>	Not applicable		
<b>Process Chms</b>	Not applicable		
<b>Others</b>	System Controller	1	✓

<b>Main System</b>	 
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<b>SMIF System</b>	
<b>Handler System</b>	NA
<b>Process Chms</b>	

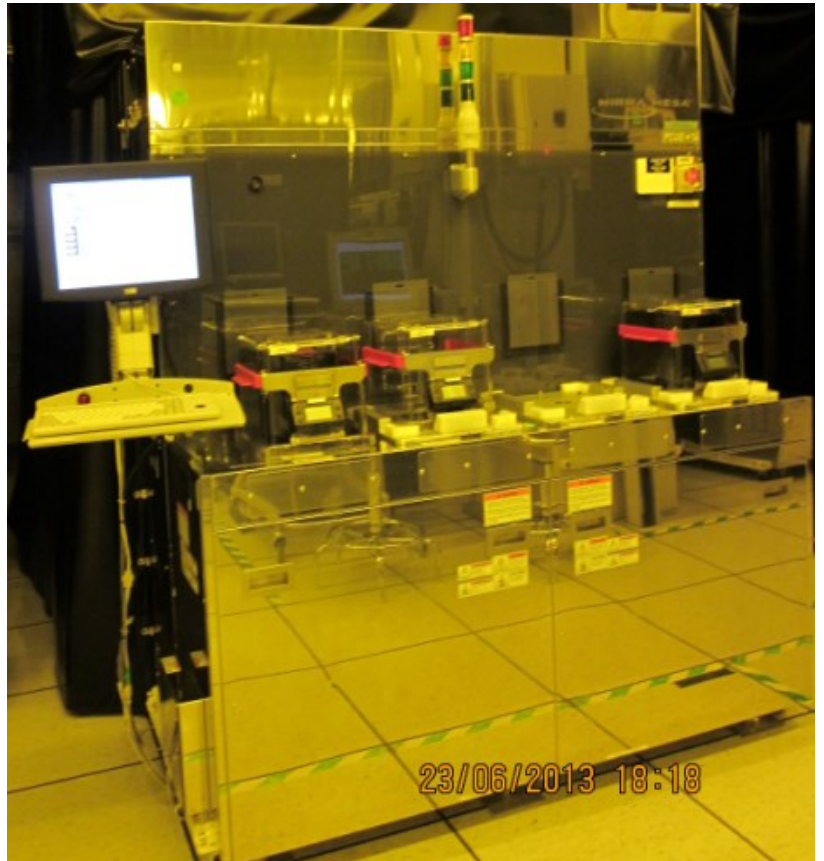
<b>Others(Pls specify if any)</b>	<p>Parts found not in working condition but not affecting tool for MFG.</p> <ol style="list-style-type: none"> <li>The Mesa LDM brackets were malfunction. Is a common failure to all Amat Mesa Cleaner tools as due to OEM design issue. <ol style="list-style-type: none"> <li>Mesa Megasonic LDM bracket (unable to push in) - due to sliding bearing was jammed.</li> </ol> </li> </ol> 
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<b>Hardware Configuration (Subfab / Auxilliary Units)</b>	NA
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<b>Missing Parts</b>	NA
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## CMP Configuration

System	PCUD*14A
Production	FMFG (200mm)
<b>Software</b>	
Polisher	MB60a1
Cleaner	CB22p2
Endpoint	IB11h7
CPU	Pentium III 400MHz
Dual RAID HardDisk	Yes
HardDisk Size	68GB
RAM	128MB
<b>Hardware</b>	
Polisher /with Controller	Mirra 3400 / 5200
Cleaner	Mesa
Indexer	Rorze FABS
# Foup Install	3
Metrology	None
Slurry(P1+P2+P3)	ABCD each
Endpoint Laser P1	IScan
Endpoint Laser P2	FullScan
Endpoint Laser P3	None
Polisher Middle Skins	Opaque
UPA	Standard
Chiller	No
Com Port Server	Digi EL160
Cleaner Brush LDM	User-Modified direct feed LDM with entegris flow sensors
Walking Beam	PEEK Fingers with PP Grippers
Slurry in CLC	Yes
Slurry Arm	4line
Polishing Head	Titan I
Rotary Union	4-port
Cross type	Cattrack
<b>Consummable</b>	
Platen Teflon Coated	Yes
Pad Conditioner Type	Universal
Retainer Ring Type	AEP III
Membrane Type	Center Bump
PC Diaphragm	Silicon
Brush with Core Type	PP Core
<b>Upgrade / CIP Retrofit Details</b>	
LLA guide pin	Self Align
Slider motor	200W
PM reduction kit	Yes
Queue Tub	Yes
Membrane UPA filter	Yes
blackout covers	Yes
Splash guard	Yes
Wind Tunnel	Yes
Exhaust blower	Yes
Magnehelic Pressure Low Level detection kit	Yes
SRD Exhaust Interlock	Yes
Cassette slot run order (from slot 25 down to 1)	Yes



## Special Information

1. Polisher Head type :

2. Indexer type :

## Titan I

SMIF type. FABS (Factory Automation Buffer System) made in Japan for enclosed Cassette Pod

