Tool Configuration Check List

Date of Check	**2023/3/8**	**LOCATION**			
Maker And Model	**APPLIED MATERIALS XR80 Leap II**				
System Status	**Disassembled**	**Wafer Size**	**200 mm**	**Software Version**	
SERIAL NO#		**Vintage**	**2002**		

NO#	Check point	Condition	Type/Model	Signature	Remarks
1	Main Components				
1.1	Processor Module	OK			
1.2	Beamline Module	OK			
1.3	Source Services Module	OK			
1.4	Processor Rack	OK			
1.5	Heatexchanger/PDU	Ok			
1.6	Mini Enviroment	N/A			
1.7	Mobile PC, Desk, Monitor, Keyboard &	OK			
1.8	Clean room PC & Monitor	OK			
1.9	Control Module (9500)	N/A			
1.10	Enclosure	OK			
1.11	Signal Tower	OK			
1.12	TEM Probe	OK			
1.13	VESDA smoke detector	No			
1.14	ISO TX	OK			
1.15	Mains Matching TX	No			
2	Beamline, Controllers PSU's And Assy:				
2.1	Pre Accel/Mag Cont	OK			
2.2	Beamline Inst	OK			
2.3	Vacuum Cont	OK			
2.4	Post A Cont	No			
2.5	Turbo Controllers	OK			
2.6	Focus PSU	OK			
2.7	Decel PSU	OK			
2.8	A Mag PSU	OK			
2.9	Pre A Converter PSU	OK			
2.10	Source Mag PSU	OK			
2.11	Suppession PSU	OK			
3	Beam Path Components, Source / Extraction/Flight Tube / MRS And PFS Assy:				
3.1	Source Head Type	OK	Tetrode IHC		
3.2	Extraction Type	OK	Dual Bellows		
3.3	Flight Tube	OK			
3.4	MRS	OK			
3.5	Pre Defining	OK			
3.6	PFS Type	OK	HD PFS		
4	Gas Cabinet (source services):				
	Module		SDS/HP		
4.1	PH3		SDS		
4.2	BF3		SDS		
4.3	AsH3		SDS		
4.4					
4.5					
4.6					
4.7	Purge Module	OK			
	PSU's, Controllers and Assy:				
4.8	Gas and Temp Cont	OK			
4.9	Filament PSU	OK			
4.10	Arc PSU	OK			

4.11	Bias PSU	OK			
4.12	DPS	OK			
4.13	Pre A HV Stack	OK			
4.14	G2 PSU & components	OK			
4.15	Source Iso TX	OK			
4.16	Arc/Fil Chassis (9500)	N/A			
5	Vacuum system				
		Make	Model		
5.1	Source Turbo Pump	Leybold	1000C		
5.2	MRS Turbo Pump	Leybold	361C		
	Turbo Pump Contollers	Leybold	NT20		
5.3	Beamline Dry Pump	Edwards	QDP 40		
5.4	Processor Dry Pump	Edwards	QDP80		
5.5	Processor Booster Pump	Edwards	QMB500		
5.6	Side Cryo Pump	CTI	OB -10		
5.7	Rear Cryo Pump	CTI	OB -10		
5.8	Side Cryo Crompressor	CTI	9600	220V	
5.9	Rear Cryo Compressor	CTI	9600	220V	
6	Processor PSU's controller and Assy:				
6.1	Wheel & Components	OK			
6.2	Spin Motor	OK			
6.3	Gripper	OK			
6.4	Transfer Arm	OK			
6.5	Clip Actuator	OK			
6.6	Blade	OK			
6.7	A/B Sensor	OK			
6.8	Tilt Assy	OK	0-7 degree		
6.9	PFS DP Box	OK			
6.10	Beam Stop	OK	Enlarged		
6.11	Beam Profiler	OK			
6.12	Filament PSU (PFS)	OK			
	Wafer Loader/ Mini Enviroment Assy				
6.13	Exchange Arms	N/A			
6.14	Carousel	OK	Lift & Rotate		
6.15	Indexer	OK			
6.16	W/L Door	OK			
6.17	Orientor	OK			
6.18	Cassettes/ Trays	OK			3 Trays
6.19	Pre Aligners	N/A			
6.20	Dummy Cassette	N/A			
6.21	Aligner Controllers	N/A			
6.22	Arm Servo PSU (XR80)	OK			
6.23	Arm Servo Cont (XR80)	OK			
7	ISO TX 9500 only				
7.1	Post A HV Stack	No			
7.2	Post A Converter PSU	No			
7.3	Post A Controller	No			
8	Control Rack:				
8.1	DAQ PDU	OK			
8.2	Option Chassis	OK			
8.3	Target Sys Inst	OK			
8.4	W/L Cont	OK			
8.5	W/L Vacuum	OK			
8.6	Ground PDU	OK			
8.7	Target Sys Vacuum	OK			
8.8	Spin/Scan Cont	OK			
8.9	Direct Drive interface	OK			
8.10	Plasma Flood Chassis	OK			
8.11	Scan Amp	OK			

8.12	Spin Amp	OK			
8.13	Spin/Scan PDU	OK			
8.14	Bleed Resistor	OK			
8.15	Motech 80	N/A			
8.16	Compact Scan	N/A			
	VME:				
8.17	PMAC Vac/Atmos	N/A			
8.18	CPU Main Board	OK			
8.19	Loop Cont	OK			
9	Facilities (Top/Bottom/Remote)				
9.1	Bottom				
10	LEAP II Only				
10.1	Tetrode Source Head	OK			
10.2	80Kev stack with resistors on top	OK			
10.3	G2 power Supply side of Gas cabinet	OK			
10.4	G2 Resistor next to source head	OK			
10.5	New Type source transformer	OK			
10.6	ISO Transformer W/L area	OK			
10.7	Larger Beam/Stop	OK			
10.8	Decel Chassis under B/line	OK			
10.9	HD PFS	OK			