System Diagram

Gas Panel Facilities: Top Feed
Gas Panel Type: VME
Mainframe facilities: Bottom
Gas Lines: Standard
System Power:
Buffer Pump Type:

Gas Panel Exhaust: Bottom Feed
Mainframe type: Phase I
Buffer Pump Configuration:

Hoist: None
Loadlock Pump Type:
Chamber A Pump Type:

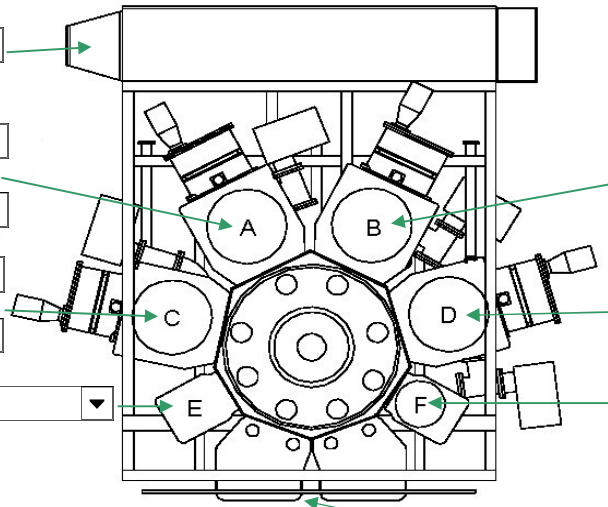
Chamber A: DPS Rev0
Chamber B: DPS Rev0
Loadlock Pump Configuration:
Chamber A Pump configuration:

Process A: Metal Etch
Process B: Metal Etch
Loadlock Slit Valves:
Chamber B Pump Type:

Chamber C: ASP
Chamber D: ASP
Heat Exchanger 1: AMAT 1
Chamber B Pump configuration:

Process C: Strip
Process D: Strip
Heat Exchanger 2: AMAT 1
Chamber C Pump Type:

Chamber E: None
Chamber F: Orienter
Heat Exchanger 3: NONE
Chamber C Pump configuration:



Robot Blade: Metal
Robot Type: HP
EMO's: Turn to Release
Chamber D Pump Type:

Wafer Size / Type: 150mm Flat
Fab Installation: TTW
Loadlock Type: Wide Body w/o Tilt Out
VGA Monitors: Stand Alone
Chamber D Pump configuration:

SMIF Interface:
UPS: Local
System Cabling: 30 ft
FWM: NO
Heated LL: NO
OTF: NO

System Notes:
CH E/MF, AI/O2
missing

Scope of Work:

Chamber A Information

Chamber Type	Chamber Process	ESC Type	IHC Type
DPS Rev0	Metal Etch	Polymide	Single
Manometer Config	**Lid Type**	**Wall Cooling**	**Chamber Pump**
Dual		AMAT 1	None
Manometer 1	**Lid Option**	**Heater / Cathode Cooling**	**Pump Configuration**
100mT		Neslab	None
Manometer 2	**Bias Generator**	**Endpoint System**	**Turbo Pump**
10 Torr	ENI,OEM-12B	YES	None
Throttle Valve	**Source Generator**	**Enpoint Software Rev.**	**Heated Jacket**
Pendlum & Throttle	ENI,GMW-25A	*E.P Software Rev	YES
Gate Valve	**RF Match**	**DTCU**	
VAT	None	Standard	

Chamber Gasses:

	MFC Size	Gas Name	MFC Type	Valve	Regulator	Gas line filters	Display
Gas 1	100 sccm	Cl2	HORIBASTEC SEC-Z511X	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 2	100 sccm	BCl3	HORIBASTEC SEC-Z511X	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 3	200 sccm	Ar	SETC SEC-4400MC-RUC	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 4	20 sccm	CH3F	SETC SEC-4400MC-RUC	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 5	50 sccm	CF4	SETC SEC-4400MC-RUC	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 6	50 sccm	N2	SETC SEC-4400MC-RUC	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 7	200 sccm	SF6	SETC SEC-4400MC-RUC	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 8							
Gas 9							
Gas 10							
Gas 11							

	LFC Size	Liquid Name	LFC Type
Remote 1			
Remote 2			
Remote 3			

Chamber Notes:

CM:TYPE:625011TCEEB(10T),628D-29521(100mT)
Rev.1 TMP:STP-1303CV3
0242-38109:KIT, DOME TEMP CONTROL, DPS CHAMBER
MFC:STEC Manual vale:Fujikin regulator:Veriflo, tranducer:MKS(852B12PCJ2GC), filter:NIPPON SEISEN(N-30)

Chamber B Information

Chamber Type	Chamber Process	ESC Type	IHC Type
DPS Rev0	Metal Etch	Polymide	Single
Manometer Config	**Lid Type**	**Wall Cooling**	**Chamber Pump**
Dual		AMAT 1	None
Manometer 1	**Lid Option**	**Heater / Cathode Cooling**	**Pump Configuration**
100mT		Neslab	None
Manometer 2	**Bias Generator**	**Endpoint System**	**Turbo Pump**
10 Torr	ENI,OEM-12B	YES	BOC EDWARS STP-H600
Throttle Valve	**Source Generator**	**Enpoint Software Rev.**	**Heated Jacket**
Pendlum & Throttle	ENI,GMW-25A	*E.P Software Rev	YES
Gate Valve	**RF Match**	**DTCU**	
VAT	Bias Match	Standard	

Chamber Gasses:

	MFC Size	Gas Name	MFC Type	Valve	Regulator	Gas line filters	Display
Gas 1	100 sccm	Cl2	HORIBASTEC SEC-Z511X	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 2	100 sccm	BCl3	HORIBASTEC SEC-Z511X	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 3	200 sccm	Ar	SETC SEC-4400MC-RUC	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 4	20 sccm	CH3F	LINTEC MC-3102E-NC	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 5	50 sccm	CF4	SETC SEC-4400MC-RUC	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 6	50 sccm	N2	SETC SEC-4400MC-RUC	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 7	200 sccm	SF6	SETC SEC-4400MC-RUC	Fujikin	Veriflo	NIPPON SEISEN N-30	MKS
Gas 8							
Gas 9							
Gas 10							
Gas 11							

	LFC Size	Liquid Name	LFC Type
Remote 1	n/a	None	
Remote 2	n/a	None	
Remote 3	n/a	None	

Chamber Notes:

CM:TYPE:625011TCEEB(10T),628D-29521(100mT)

TMP:STP-H600

0240-37109:KIT, DOME TEMP CONTROL, DPS CHAMBER

MFC:STEC/LINTEC Manual vale:Fujikin regulator:Veriflo, tranducer:MKS(852B12PCJ2GC), filter:NIPPON SEISEN(N-30)

Chamber C Information

Chamber Type	**Chamber Process**	**ESC Type**	**IHC Type**
ASP	Strip		
Manometer Config	**Lid Type**	**Wall Cooling**	**Chamber Pump**
Dual		AMAT 1	
Manometer 1	**Lid Option**	**Heater / Cathode Cooling**	**Pump Configuration**
10 Torr		NONE	
Manometer 2	**Bias Generator**	**Endpoint System**	**Turbo Pump**
100 Torr			
Throttle Valve	**Source Generator**	**Enpoint Software Rev.**	**Heated Jacket**
Silicon	None		
Gate Valve	**Microwave Tuner**		**Chuck Type**
	3-STUB,MANUAL		Top Mount

Chamber Gasses:

	MFC Size	Gas Name	MFC Type	Valve	Regulator	Gas line filters	Display
Gas 1	1 slm	N2	SEC-4400MC-RUC-G2	Fujikin	Veriflo	NIPPON SEISEN	MKS
Gas 2	5 slm	O2	SEC-4400MC-RUC	Fujikin	Veriflo	NIPPON SEISEN	MKS
Gas 3	750 sccm	H2O(VDS)	Tylan VC-4900MEPR				
Gas 4							
Gas 5							
Gas 6							
Gas 7							
Gas 8							
Gas 9							
Gas 10							
Gas 11							

	LFC Size	Liquid Name	LFC Type
Remote 1			
Remote 2			
Remote 3			

Chamber Notes:

CM:127AA-000010B(100T),
127AA-00100B(10T)

Chamber D Information

Chamber Type	**Chamber Process**	**ESC Type**	**IHC Type**
ASP	Strip		
Manometer Config	**Lid Type**	**Wall Cooling**	**Chamber Pump**
Dual		AMAT 1	
Manometer 1	**Lid Option**	**Heater / Cathode Cooling**	**Pump Configuration**
10 Torr		NONE	
Manometer 2	**Bias Generator**	**Endpoint System**	**Turbo Pump**
100 Torr			
Throttle Valve	**Source Generator**	**Enpoint Software Rev.**	**Heated Jacket**
Silicon	None		
Gate Valve	**Microwave Tuner**		**Chuck Type**
	3-STUB,MANUAL		Top Mount

Chamber Gasses:

	MFC Size	Gas Name	MFC Type	Valve	Regulator	Gas line filters	Display
Gas 1	1 slm	N2	SEC-4400MC-RUC-G2	Fujikin	Veriflo	NIPPON SEISEN	MKS
Gas 2	500 sccm	O2	SEC-4400MC-RUC	Fujikin	Veriflo	NIPPON SEISEN	MKS
Gas 3							
Gas 4							
Gas 5							
Gas 6							
Gas 7							
Gas 8							
Gas 9							
Gas 10							
Gas 11							

	LFC Size	Liquid Name	LFC Type
Remote 1			
Remote 2			
Remote 3			

Chamber Notes:

CM:127AA-000010B(100T),
127AA-00100B(10T) VDS MFC Missing