

AMAT P5000 CONFIGURATION SHEET

1. GENERAL INFORMATION

Equip Code :
Serial No
Inventar
Vintage

P5k38
5927G
227099
13.03.1992

2. WAFER SPECIFICATION

Wafer Size 150mm 200MM

3. SYSTEM CONFIGURATION

		Chamber Typ		Prozess	
		Universal CVD	TEOS	Universal CVD	TEOS
CHAMBER A	<input checked="" type="checkbox"/>			Mark2	ETCH
CHAMBER B	<input checked="" type="checkbox"/>			Mark2	ETCH
CHAMBER C	<input checked="" type="checkbox"/>				
CHAMBER D	<input checked="" type="checkbox"/>				

3-1. CHAMBER A

RF Generator	<input checked="" type="checkbox"/>	OEM-12B
RF Match	<input checked="" type="checkbox"/>	
Baratron	<input checked="" type="checkbox"/>	100 Torr
DPA	<input type="checkbox"/>	
Throttle Valve	<input checked="" type="checkbox"/>	
Slit Valve	<input checked="" type="checkbox"/>	Chemraz bonded
Lift pin	<input checked="" type="checkbox"/>	
Process kit	<input checked="" type="checkbox"/>	
Turbo/Controller	<input type="checkbox"/>	

3-2. CHAMBER B

RF Generator	<input checked="" type="checkbox"/>	OEM-12B
RF Match	<input checked="" type="checkbox"/>	
Baratron	<input checked="" type="checkbox"/>	100 Torr
DPA	<input type="checkbox"/>	
Throttle Valve	<input checked="" type="checkbox"/>	
Slit Valve	<input checked="" type="checkbox"/>	Chemraz bonded
Lift pin	<input checked="" type="checkbox"/>	
Process kit	<input checked="" type="checkbox"/>	
Turbo/Controller	<input type="checkbox"/>	

3-3. CHAMBER C

RF Generator	<input checked="" type="checkbox"/>	OEM-12B
RF Match	<input checked="" type="checkbox"/>	
Baratron	<input checked="" type="checkbox"/>	1 Torr
DPA	<input type="checkbox"/>	
Throttle Valve	<input checked="" type="checkbox"/>	
Slit Valve	<input checked="" type="checkbox"/>	Chemraz O-Ring
Lift pin	<input checked="" type="checkbox"/>	
Process kit	<input checked="" type="checkbox"/>	
Turbo/Controller	<input checked="" type="checkbox"/>	

3-4. CHAMBER D

RF Generator	<input checked="" type="checkbox"/>	OEM-12B
RF Match	<input checked="" type="checkbox"/>	
Baratron	<input checked="" type="checkbox"/>	1 Torr
DPA	<input type="checkbox"/>	
Throttle Valve	<input checked="" type="checkbox"/>	
Slit Valve	<input checked="" type="checkbox"/>	Chemraz O-Ring
Lift pin	<input checked="" type="checkbox"/>	
Process kit	<input checked="" type="checkbox"/>	
Turbo/Controller	<input checked="" type="checkbox"/>	

4. ELECTRICAL REQUIREMENTS

Line Frequency	<input checked="" type="checkbox"/>	50/60 Hz
Line Voltage	<input checked="" type="checkbox"/>	200/208V
Line Amperage	<input checked="" type="checkbox"/>	180AMPS
FACILITY UPS INTERFACE	<input type="checkbox"/>	

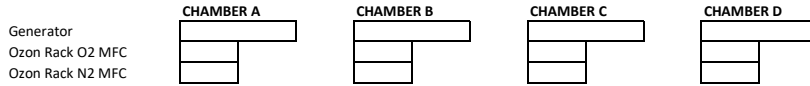
5. SYSTEM MONITOR

1st Mniton	<input checked="" type="checkbox"/>
2nd Mniton	<input checked="" type="checkbox"/>
3rd Mniton	<input type="checkbox"/>

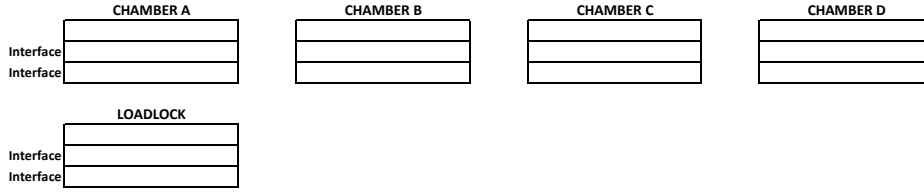
6. MAINFRAME

Mainframe Type	<input checked="" type="checkbox"/>	STANDARD
Robot Type	<input checked="" type="checkbox"/>	MKII
Loadlock Cassette	<input checked="" type="checkbox"/>	MANUAL 2 CASSETTE
Flowswitch	<input checked="" type="checkbox"/>	SMC
Storage Elevator	<input checked="" type="checkbox"/>	8 Slot
	<input type="checkbox"/>	15 Slot
WPS	<input type="checkbox"/>	
Power Rack	<input checked="" type="checkbox"/>	shrink

7. OZONEGENERATOR :



8. DRY Pumps



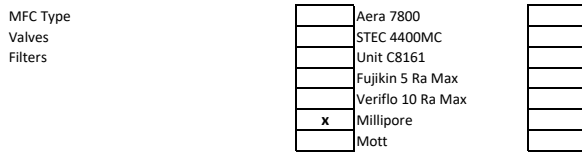
9. VME/System Controller

Mini SBC	SBC	SEI	CPU	AI	AO	Video	AO	AI	Stepper	Stepper	Stepper	Stepper	DI/DO	DI/DO	DI/DO	DI/DO	DI/DO	DI/DO	DI/DO	DI/DO
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

TC Gauge	TC Gauge	(+12V)	(+15V)	(-15V)	blank	Buffer I/O	AI Mux	Opto	Opto
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

blank	Chopper Driver	Chopper Driver	Chopper Driver	Chopper Driver
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

10. GAS DELIVERY



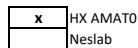
11. Gas Pallet Configuration

CH.A	SIZE	MODEL	CH.B	SIZE	MODEL	CH.C	SIZE	MODEL	CH.D	SIZE	MODEL
C2F6	5SLM	Unit	C2F6	5SLM	Unit	CF4	200sccm	Millipore	CF4	200sccm	Tylan
O2	3SLM	Unit	O2	3SLM	Tylan	Ar	100sccm	Unit	Ar	100sccm	Unit
NF3	300sccm	Millipore	NF3	200sccm	Tylan	O2	50sccm	Millipore	O2	50sccm	Unit
HE Teos	4SLM	Unit	HE Teos	4SLM	Unit	N2	500sccm	Unit	N2	500sccm	Unit
He Tepo	3L	Unit	HE Tepo	4SLM	Unit						
Teos LFM	3g/min	Horiba	Teos LFM	3g/min	Horiba						
Tepo LFM	0,1g/min	Horiba	Tepo LFM	0,1g/min	Horiba						

12. Heater/Pedestal/Chuck



13. Cooling



Cable list P500038

Box	from	to	
1	Mainframe (MF) J3 / SECS	PC / GUI	
3	Mainframe / Systemmonitor	Systemmonitor + Power Cable Adapter	x
3	Mainframe J5 / Remote Video	Remotemonitor + Monitor Cable	x
2	Mini Controller (MC) P1 / J8	Expand Gaspanel Interface P1 / P2	x
2	Mini Controller P2 / J7	Teoas Gas Interface P1 / P2	x
1	Mini Controller P4	Expand Gaspanel Interface P3	
1	Heat Exchanger J1	Remote Frame (RF) J2 / HX1	
1	Remote Frame / Control LL Pump	Loadlock (LL) Pump	
1	Remote Frame J1 / Pump Chamber A	Pump Chamber A	
1	Remote Frame J2 / Pump Chamber B	Pump Chamber B	
1	Remote Frame J3 / Pump Chamber C	Pump Chamber C	
1	Remote Frame J4 / Pump Chamber D	Pump Chamber D	
2	Mainframe / RF Match Chamber A	Remote Frame (RF) RF-Generator Chamber A	x
2	Mainframe / RF Match Chamber B	Remote Frame (RF) RF-Generator Chamber B	x
2	Mainframe / RF Match Chamber C	Remote Frame (RF) RF-Generator Chamber C	x
2	Mainframe / RF Match Chamber D	Remote Frame (RF) RF-Generator Chamber D	x
2	Mainframe / DPA Chamber A	DPA Frame / RF-Generator Chamber A	
2	Mainframe / DPA Chamber B	DPA Frame / RF-Generator Chamber B	
2	Mainframe / DPA Chamber C	DPA Frame / RF-Generator Chamber C	
2	Mainframe / DPA Chamber D	DPA Frame / RF-Generator Chamber D	
1	Mainframe / J2 / EMO	Remote Frame / J1 / EMO	
2	Mainframe / J4 / Liquid Source	Minicontroller (MC) P5 / Host	x
1	Mainframe / J1 / DC Power	Remote Frame / DC Power / P5	
2	Mainframe Final Valve Interlock	Remote Rack Vakuum Distribution Board / J6 / Final Valve Interlock	x
2	Mainframe / J7 / Remote Analog	Remote Frame / J1 / Remote Analog Wiring Distribution Board	x
2	Mainframe / P1 / Remote Digital	Remote Frame / P1 / Digital I/O Vakuum Distribution Board	x
1	Mainframe / DPA System Distribution Board / P1	DPA Frame / P1	
2	Mini Controller P3 / P4 / P5 / P6	Liquid Injector Interface Board P1 / P2 / P3 / P4	x
2	Mini Controller J1	Liquid Injector Interface Board P54; Expand Gaspanel Interface Board P3	x
2	Remote Rack Wiring Distribution Board J4 / J5 / J6 / J7	Remote Rack Vakuum Distribution Board Generator A,B,C,D	x
2	Remote Rack Wiring Distribution Board Digital P1	Remote Rack Vakuum Distribution Board I/O P2	x
2	Remote Rack Wiring Distribution Board DC-Power P5	Remote Rack Vakuum Distribution Board DC Power Jumper P4	x
2	Remote Rack Wiring Distribution Board J2 / J3 Heat EXCH 2	Remote Rack Vakuum Distribution Board Roots Jumper J5	x
2	Mainframe DC Power	Remote Rack Vakuum Distribution Board DC Power P5	x
2	Remote Rack J1 EMO	Mainframe J2 EMO	x
2	Remote Rack Vakuum Distribution Board Pump D J4	Pumpe	x
2	Remote Rack Vakuum Distribution Board Pump C J3	Pumpe	x
2	Remote Rack Vakuum Distribution Board Pump B J2	Pumpe	x
2	Remote Rack Vakuum Distribution Board Pump A J1	Pumpe	x

cker Kaputt /HX ?