

System Configuration

Centura HTF EPI

Customer Name :

Form : System Audit

Order Information

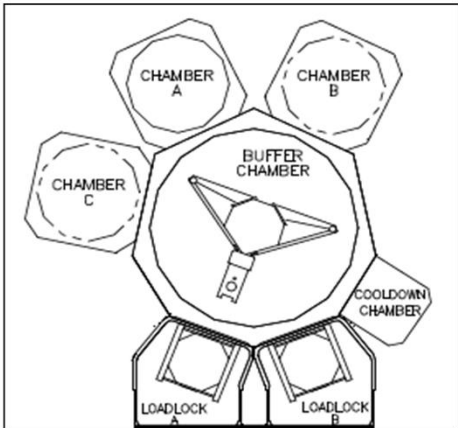
Order Date:
Project Number:
Quote I.D:
Ship Date:

Disassembly: 2023 11/20
Assembly:
Final Test:
Source Inspection:

Centura Type: HTF
AMAT Serial Number:
Year of Construction: 2006

System Diagram

Gas Panel Facilities Top Feed Single-Line Gas Panel Exhaust Top Feed Chamber A EPI Process A N/A Chamber C EPI Process C N/A Chamber E N/A Robot Blade Quartz Wafer Size / Type 200mm Notch Software Revision TBD	Gas Panel Type UHP Liquid Source N/A Gas Lines Standard MF Facilities Rear Chamber B EPI Process B N/A Chamber D None Process D N/A Chamber F Single-Slot Cooldown Robot Type HP+ Loadlock Type Wide Body w/o Tilt Out	System Power 480Vac, 240 Amp, 60 Hz Mainframe HTF Loadlock Pump Type Edwards Loadlock Pump Configuration QDP40 Loadlock Slit Valves Kalrez Heat Exchanger 1 N/A Heat Exchanger 2 N/A Heat Exchanger 3 N/A VME Rack Standard Hard Drive 120MB HDD Chase CRT YES Subfab CRT NO OTF YES
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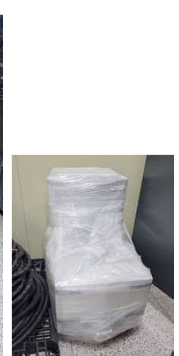


System Information

System Notes:

1. System controller Board no missing
2. Loadlock Widebody ENP 0240-70932 / 0240-70933
3. No Process Kit (Quartz part, Robot blade, Graphite process kit) include
4. No 208V External transformer includ
5. EPI Variable speed blower (#A,B,C)
6. Dop1 N2 860cc Brooks / Dop2 H2 500cc UFC8100
H2 Main → N2 20L UFC1660 / H2 20L UFC1661

Scope of Work:



Chamber A Information

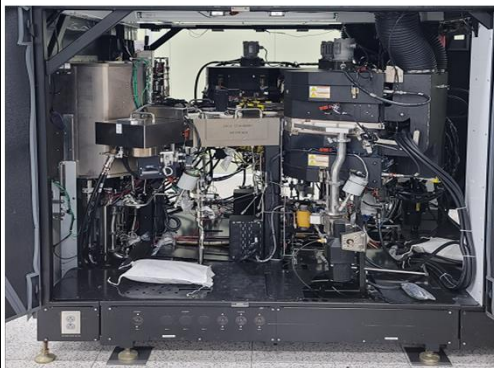
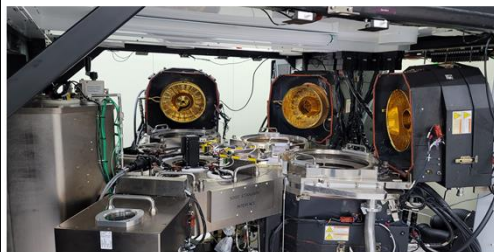
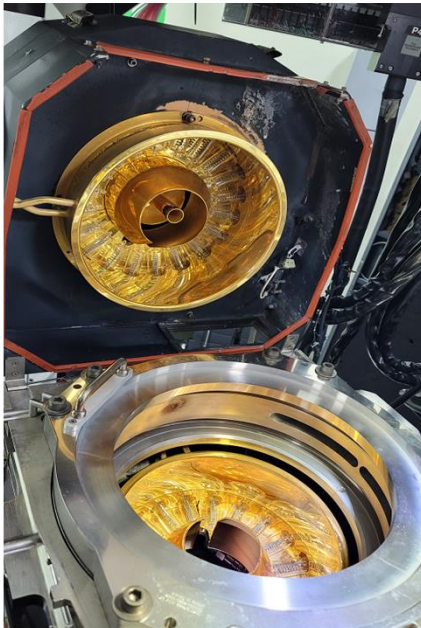
Chamber Type EPI ▼	Chamber Process ▼	Susceptor /Pedestal Other ▼	Process Kit Type None ▼
Manometer Config Single ▼	Lid Type Clamped ▼	Wall Cooling PCW ▼	Chamber Pump None ▼
Manometer 1 1000 Torr ▼	Throttle Valve Butterfly ▼	Heater / Cathode Cooling PCW ▼	Pump Configuration None ▼
Manometer 2 None ▼	LF Generator N/A ▼	Endpoint System NO ▼	Turbo Pump None ▼
Slit Valve O-Ring Kalrez ▼	HF Generator N/A ▼	Enpoint Software Rev. N/A ▼	Heated Valve Stack NO ▼
Chamber O-Rings Chemraz ▼	RF Match N/A ▼	Chamber Clamps YES ▼	

Chamber Gasses:

	MFC Size	Gas Name	MFC Type	Gas Stick Configuration
Gas 1	20 slm ▼	H2 ▼	STEC 7350 ▼	Standard ▼
Gas 2	100 slm ▼	H2 ▼	Unit 3160 ▼	Standard ▼
Gas 3	1 slm ▼	HCL ▼	Unit 1660 ▼	Standard ▼
Gas 4	300 sccm ▼	Dopant ▼	Unit 1660 ▼	Standard ▼
Gas 5	1 slm ▼	DCS ▼	Unit 1660 ▼	Standard ▼
Gas 6	30 slm ▼	TCS ▼	Unit 1660 ▼	Standard ▼
Gas 7	▼	▼	HORIBA SEC Z500 ▼	▼
Gas 8	▼	▼	▼	▼
Gas 9	▼	▼	▼	▼
Gas 10	▼	▼	▼	▼
	LFC Size	Liquid Name	LFC Type	Gas Valves
Remote 1	▼	▼	▼	Veriflo ▼
Remote 2	▼	▼	▼	
Remote 3	▼	▼	▼	

Chamber Notes:

- 1) Baratron Gauge Model : 1000T MKS 623B13TBE Single
- 2) Pyrometer Model : Ircon MRT39999C(K118) 2ea (Upper / Lower → Aux N/A)
- 3) Rotation assy 0010-26665 → In the Part Box



Chamber B Information

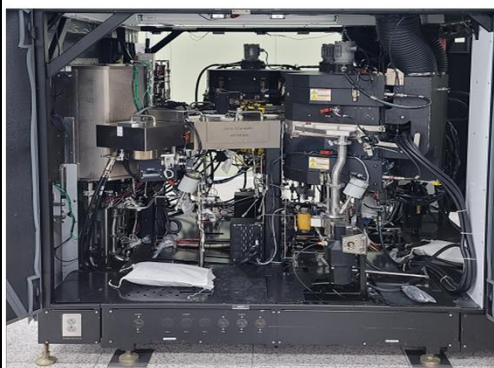
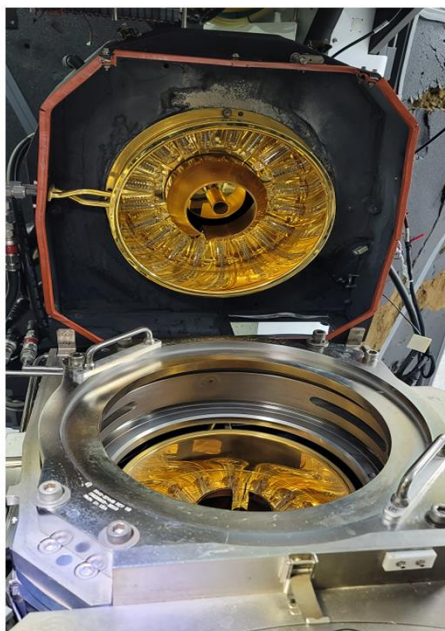
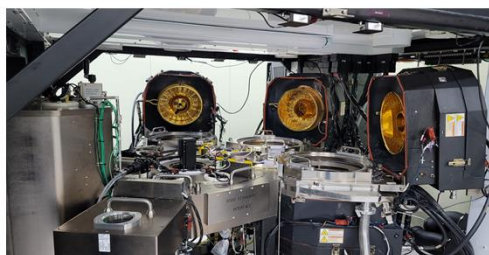
Chamber Type EPI ▼	Chamber Process ▼	Susceptor / Pedestal Other ▼	Process Kit Type None ▼
Manometer Config Single ▼	Lid Type Clamped ▼	Wall Cooling PCW ▼	Chamber Pump None ▼
Manometer 1 1000 Torr ▼	Throttle Valve Butterfly ▼	Heater / Cathode Cooling PCW ▼	Pump Configuration None ▼
Manometer 2 None ▼	LF Generator N/A ▼	Endpoint System NO ▼	Turbo Pump None ▼
Slit Valve O-Ring Kalrez ▼	HF Generator N/A ▼	Enpoint Software Rev. N/A ▼	Heated Valve Stack NO ▼
Chamber O-Rings Chemraz ▼	RF Match N/A ▼	Chamber Clamps YES ▼	

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	MFC Size	Gas Name	MFC Type	Gas Stick Configuration
Gas 1	20 slm ▼	H2 ▼	Unit 8160 ▼	Standard ▼
Gas 2	100 slm ▼	H2 ▼	Unit 3160 ▼	Standard ▼
Gas 3	1 slm ▼	HCL ▼	Unit 1660 ▼	Standard ▼
Gas 4	300 sccm ▼	Dopant ▼	Unit 1660 ▼	Standard ▼
Gas 5	1 slm ▼	DCS ▼	Unit 1660 ▼	Standard ▼
Gas 6	30 slm ▼	TCS ▼	HORIBA SEC Z500 ▼	Standard ▼
Gas 7	▼	▼	▼	▼
Gas 8	▼	▼	▼	▼
Gas 9	▼	▼	▼	▼
Gas 10	▼	▼	▼	▼
	LFC Size	Liquid Name	LFC Type	
Remote 1	▼	▼	▼	Gas Valves
Remote 2	▼	▼	▼	Veriflo ▼
Remote 3	▼	▼	▼	

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Chamber C Information

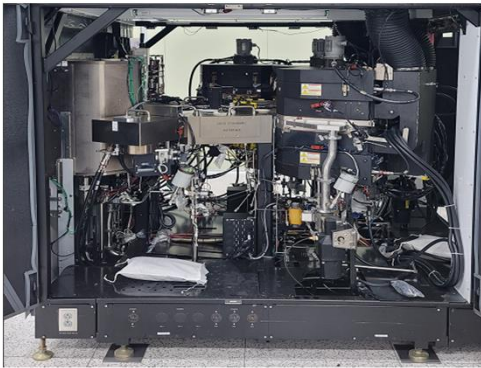
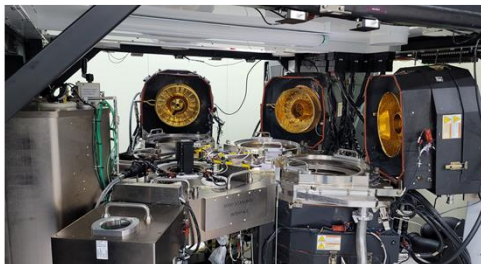
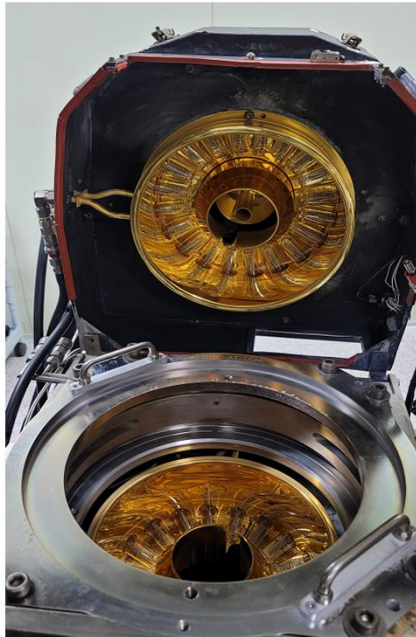
Chamber Type EPI ▼	Chamber Process ▼	Susceptor /Pedestal Other ▼	Process Kit Type None ▼
Manometer Config Single ▼	Lid Type Clamped ▼	Wall Cooling PCW ▼	Chamber Pump None ▼
Manometer 1 1000 Torr ▼	Throttle Valve Butterfly ▼	Heater / Cathode Cooling PCW ▼	Pump Configuration None ▼
Manometer 2 None ▼	LF Generator N/A ▼	Endpoint System NO ▼	Turbo Pump None ▼
Slit Valve O-Ring Kalrez ▼	HF Generator N/A ▼	Enpoint Software Rev. N/A ▼	Heated Valve Stack NO ▼
Chamber O-Rings Chemraz ▼	RF Match N/A ▼	Chamber Clamps YES ▼	

Chamber Gasses:

	MFC Size	Gas Name	MFC Type	Gas Stick Configuration
Gas 1	20 slm ▼	H2 ▼	Unit 1660 ▼	Standard ▼
Gas 2	100 slm ▼	H2 ▼	HORIBA SEC Z500 ▼	Standard ▼
Gas 3	1 slm ▼	HCL ▼	Unit 8160 ▼	Standard ▼
Gas 4	300 sccm ▼	Dopant ▼	HORIBA SEC Z500 ▼	Standard ▼
Gas 5	1 slm ▼	DCS ▼	Unit 1660 ▼	Standard ▼
Gas 6	30 slm ▼	TCS ▼	STEC 7350 ▼	Standard ▼
Gas 7	▼	▼	▼	▼
Gas 8	▼	▼	▼	▼
Gas 9	▼	▼	▼	▼
Gas 9	▼	▼	▼	▼
Gas 10	▼	▼	▼	▼
	LFC Size	Liquid Name	LFC Type	Gas Valves
Remote 1	▼	▼	▼	Veriflo ▼
Remote 2	▼	▼	▼	
Remote 3	▼	▼	▼	

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Cable List				
No	Part No	Description	Quantity	Note
1	0150-75206	CABLE ASSY, CHAMB UMBILICAL, A,B,C,D 55	3	
2	0150-35570	C/A LOAD LOCK UMBILICAL, 55 FT	1	
3	0150-35567	C/A MAIN FRAME UMBILICAL #1, 55 FT	1	
4	0150-35565	C/A GAS PANEL #1 UMBILICAL, 55 FT	1	
5	0150-35566	C/A GAS PANEL #2 UMBILICAL, 55 FT	1	
6	0150-35571	C/A PNEUMATIC'S UMBILICAL, 55 FT	1	
7	0150-35569	C/A MAIN FRAME UMBILICAL #3, 55 FT	1	
8	0150-35540	C/A ROBOT CONTROL,55 FT	1	
9	0150-35568	C/A MAIN FRAME UMBILICAL #2, 55 FT	1	
10	0150-35526	C/A DOME PNEUMATICS UMB	1	
11	0150-20160	CABLE ASSEMBLY EMO INTERCONNECT	2	
12	0150-35438	C/A MAINT MONITOR	2	
13	0150-35527	C/A BLOWER UMB	1	
14	0150-37232	C/A AI/O UMBILICAL, VAR SPD BLWR	1	
15	0150-76186	EMC COMP.,CABLE ASSY,PUMP UMBILICAL	1	
16	0150-35539	C/A GAS PANEL POWER,55 FT	1	
17	52-504076-003	MOTOR CABLE ASSY, CH-C METERING VALVE, EPI	4	
18	52-503916-001	MOTOR CABLE ASSY, CH-A METERING VALVE, EPI	1	