

Novellus C2 Dual Altus System

Wafer Specification

Wafer Size 200mm

Chamber Type

DLCM Standard
S/N 96-24-5159 Warehouse Location: F-Z-18-1

Process Module A Standard
S/N 00-32-C26010 Warehouse Location: F-E-4-1

Process Module B Standard
S/N None Warehouse Location: F-X-18-1

Module Location

Module A

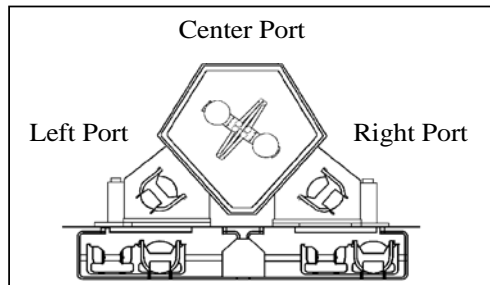
Center Port (Default)
Left Port
Right Port

Module B

Center Port
Left Port
Right Port

Wafer Aligner Station

Center Port
Left Port
Right Port (Default)



User Interface (UI): 96-35-5185

PCU : DUAL ALTUS
Location: F-W-21-1

Mainframe Options

System Controller MC3 P/N 02-132030-00
Signal Tower None
AC power rack Standard PCU - #2048 DUAL ALTUS
Interconnect cables Not Available

DLCM

Transfer Robot Type Missing
Paddle Type Missing
Shuttle Type Missing
Cassette Type Unknown
Indexer Type Type II
Animatics Type Model CDP2407-2 10/24/00
Cool Station None
SMIF loader type None
Manometer 100 Torr
Facilities Configuration Either
Control System QNX4, unknown
Leak Check Shutoff Valve Missing
Pump Electrical Interface None

Altus Process Module A	F-E-4-1
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S/N: 00-32-C26010

Controller type	MC3 P/N 02-10155-00 IOVC Ver: 3.02
Gate valve	Internal Non-Heated
Throttle valve	Internal Non-Heated
Process Manometer	100 Torr Non-Heated
Heater Pedestals	Missing
Shower Heads	Yes
MOER Rings	No
Spindle Assy. Seal Type	Ferrofluidic
X-Y Centering Station	Yes
Viewport Window	Sapphire
RF Match	Trazar
RF High Frequency Generator	Missing
Endpoint detection	No
Facility Connections	Rear of chamber

Gas Box Chamber A

Gas Channels	10 Gas
MFC Type	Brooks 5964
Valves	Missing some

MFC size and location As the table below

Channel	Gas	Flow (SLM)
1	Argon	MISSING
2	SiH4	MISSING
3	Hydrogen	20 SLM
4	Argon	20 SLM
5	Wf6	MISSING
6	C2F6	MISSING
7	Oxygen	2 SLM
8	Argon	10 SLM
9	Hydrogen	20 SLM
10	Nitrogen	10 SLM

Altus Process Module B	F-X-18-1
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S/N: Not Available

Controller type	MC3, P/N 02-034310-00 P100 IOC Ver: None
Gate valve	Internal Non-Heated
Throttle valve	Internal Non-Heated
Process Manometer	100 Torr Non-Heated
Heater Pedestals	D-Type
Shower Heads	Yes
MOER Rings	No
Spindle Assy. Seal Type	Ferrofluidic
X-Y Centering Station	No
Viewport Window	Sapphire, Qty 2
RF Match	Trazar
RF High Frequency Generator	Missing
Endpoint detection	No
Facility Connections	Rear of chamber

Gas Box Chamber B

Gas Channels	10 Gas
MFC Type	Brooks 5964 / Unit 1100A
Valves	9

MFC size and location

As the table below

Channel	Gas	Flow (SLM)		
1	Argon	2 SLM	Brooks	5964
2	SiH4	50 sccm	Brooks	5964
3	Hydrogen	20 SLM	Brooks	5964
4	Argon	20 SLM	Brooks	5964
5	Wf6	500 sccm	Brooks	5964
6	C2F6	2 SLM	Brooks	5964
7	Helium	7 SLM - UNIT 1100A	UNIT	1100A
8	Argon	10 SLM	Brooks	5964
9	Hydrogen	20 SLM	Brooks	5964
10	Nitrogen	10 SLM	Missing	

Special Conditions and Missing Items (list):

1

2

DLCM Module		Process Module A		Process Module B	
MISSING ITEMS	INTACT ITEMS or PRESENT ITEMS	MISSING ITEMS	INTACT ITEMS or PRESENT ITEMS	MISSING ITEMS	INTACT ITEMS or PRESENT ITEMS
1) Shuttle - Front End	1) Loadlock Doors	1) Pneumatic Panel (all of it)	1) Local Power Box = 50 %	1) 4 ea. MFC's (gasbox)	1) Local Power Box (LPB) = 100 %
2) TM Robot (Brooks)	2) Both Indexers & Cassette Platforms	2) Spindle (Lift & Rotate Mechanism)	2) Top Plate = 70 %	2) 10 ea. Nupro Valves (gasbox)	2) X-Y Centering Station
3) 3ea. Plugs in Local Power Box (LPB)	3) IOC's - # 0 / # 2 / # 3	3) IOC's 2 & 3	3) Bottom Plate = 50 % (TC's Missing)	3) 5 ea. Pedestals	3) Module Controller
4) Local Power Box = 90 %	4) Module Controller	4)	4) Gas Box = 85 %	4) Spindle Lift & Rotate Assembly	4) Interlock Board
5) Pneumatic Panel - 1 Bank Only	5) Animatics Controller	5)	5)	5)	5) IOC's - 3ea.
6)	6) DLCM Interlock Board	6)	6)	6)	5) Backside Gas Pressure Control
7)	7) Local Power Box = 90 %	7)	7)	7)	6) Pneumatic Panel = 100 % FULL
8)	8)	8)	8)	8)	7) 3 ea. Lift Pin Assembly
9)	9)	9)	9)	9)	8) Throttle Valve
10)	10)	10)	10)	10)	10) Gate Valve
11)	11)	11)	11)	11)	11) 3 ea. Manometers
12)	12)	12)	12)	12)	12) Vacuum Switch
13)	13)	13)	13)	13)	13) Temp Pressure Controller
14)	14)	14)	14)	14)	14) Vacuum Utilities Assy.
15)	15)	15)	15)	15)	15)
16)	16)	16)	16)	16)	16)
17)	17)	17)	17)	17)	17)
18)	18)	18)	18)	18)	18)
19)	19)	19)	19)	19)	19)
20)	20)	20)	20)	20)	20)
21)	21)	21)	21)	21)	21)
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