

Basic Information			
Equipment Model	Unity Ver.II 845DD		
Equipment Maker	TEL		
Vintage	1996.09.06		

Specification of Equipment	
ECC Rack Type	<input checked="" type="checkbox"/> V-1 Rack <input type="checkbox"/> V-2 Rack <input type="checkbox"/> HDD <input type="checkbox"/> DUAL SSD
Wafer Size	<input type="checkbox"/> 6 inch <input checked="" type="checkbox"/> 8 inch
Monitor	<input checked="" type="checkbox"/> Front Monitor <input type="checkbox"/> Rear Monitor <input checked="" type="checkbox"/> Service Monitor
Chamber Quantity	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3
EPD Type	<input type="checkbox"/> Not use <input type="checkbox"/> 20X <input type="checkbox"/> 30X <input checked="" type="checkbox"/> JOBIN <input type="checkbox"/> SE2000

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System Configuration		
Module	Configuration	Remark
Robot Type	YASUKAWA/Twin Arm	
Robot Drive	YASUKAWA/VS2C	Transfer Chamber
Robot Drive	YASUKAWA/VOSH	Oriental Chamber
Gate Valve	VAT/12044-PA24-1002	
APC V/V	VAT/61144-PH52-AAM1	PC1,2
TMP1	EBARA/ET600WS	
TMP2	EBARA/ET600WS	
TMP Con't 1	EBARA/ET600W	
TMP Con't 2	EBARA/ET600W	
TMP TC	EBARA/ET300WS	
TMP Con't TC	EBARA/ET300W	
Generator 1	ENI/OEM-25B-01	
Generator 2	ENI/OEM-25B-01	
Macher 1	ENI/MWD-25LD	PC1
Macher 2	ENA/MWD-25LD	PC2
Chiller	SHINWA/CH1-CP-DO-SI	PC1,2
Gas MFC	7 Line/ STEC / SEC-7330	
B.HE(CNT)	STEC/SCE-7330M	
B.HE(EDGE)	STEC/SCE-7330M	

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1-1. Main Controller

Slot No.	Description	Remark
ISA SLOT 1	ELITE 16T	
ISA SLOT 2	IBX4101	
ISA SLOT 3	EMPTY	
ISA SLOT 4	AT-BCN/A	
	HDD(SYSTEM)	
	HDD(DATA)	
VME Slot 1	SVA 011	SVA004a
VME Slot 2	SVA 603	
VME Slot 3	MVME162	
VME Slot 4	EMPTY	
VME Slot 5	TVB0002	
VME Slot 6	EMPTY	
VME Slot 7	EMPTY	
VME Slot 8	EMPTY	
VME Slot 9	TVB0008	
VME Slot 10	TEB102-1	
	TYB221-1/PUMP	
	TYB415-1/RF	
	TYB212-1/RF	
	TYB416-1/PUMP	
	TYB414-1/CONT	
	TYB425-1/INT	

1-2.P/C-1 Controller

Slot No.	Description	Remark
Slot 1	APC(PB-6)	PB2
Slot 2	TYB112-1/DIO	DIO
Slot 3	TYB111/MAIO	MAIO
Slot 4	EMPTY	EMPTY
Slot 5	TYB121/COM	COM
Slot 6	EMPTY	EMPTY

1-3.P/C-2 Controller

Slot No.	Description	Remark
Slot 1	APC(PB-6)	PB2
Slot 2	TYB112-1/DIO	DIO
Slot 3	TYB111/MAIO	MAIO
Slot 4	EMPTY	EMPTY
Slot 5	TYB121/COM	COM
Slot 6	EMPTY	EMPTY

1-4.T/C Controller

Slot No.	Description	Remark
Slot 1	COM	
Slot 2	TYB112-1/DIO1	
Slot 3	TYB112-1/DIO2	
Slot 4	EMPTY	
Slot 5	MAIO	
Slot 6	TYB131-1/ILK	

1-5.Gas Box Module

Slot No.	Description	Remark
	TYB211-A/GAS(1)	
	TYB211-A/GAS(2)	

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2-1. GAS Unit P/C1

MFC				
No.	Gas Name	Maker	Model	Remarks
GAS 1	C4F8	STEC	SEC-Z512-MG	
GAS 2	CO	STEC	SEC-Z512-MG	
GAS 3	O2	STEC	SEC-Z512-MG	
GAS 4	AR	STEC	SEC-Z512-MG	
GAS 5	CHF3	STEC	SEC-Z512-MG	
GAS 6	N2	STEC	SEC-Z512-MG	
GAS 7	CF4	STEC	SEC-Z512-MG	
GAS 8	C4F6	STEC	SEC-Z512-MG	
B.H.CENTER	HE	STEC	SEC-7330M	
B.H.EDGE	HE	STEC	SEC-7330M	

2-2. GAS Unit P/C2

MFC				
No.	Gas Name	Maker	Model	Remarks
GAS 1	C4F8	STEC	SEC-Z512-MG	
GAS 2	CO	STEC	SEC-Z512-MG	
GAS 3	O2	STEC	SEC-Z512-MG	
GAS 4	AR	STEC	SEC-Z512-MG	
GAS 5	CHF3	STEC	SEC-Z512-MG	
GAS 6	N2	STEC	SEC-Z512-MG	
GAS 7	CF4	STEC	SEC-Z512-MG	
GAS 8	C4F6	STEC	SEC-Z512-MG	
B.H.CENTER	HE	STEC	SEC-7330M	
B.H.EDGE	HE	STEC	SEC-7330M	

3-1. Chamber Unit P/C-1

Discription	Present/Not	Remark
UPPER ELECTRODE		
BAFFLE A		
FOCUS RING		
BOTOM ELETRODE		
RING INSULATOR A7		
RING INSULATOR B2		
RING SHIELD B3		
BAFFLE PLATE C		
MANOMETER(CHAMBER)	Not Present	
MANOMETER(SELF)	Not Present	
GATE VALVE	Present	VAT/12044-PA24-1002/1545
APC VALVE	Present	VAT/61144-PH52-AAM1/101
ESC POWER SUPPLY	Present	KYOSAN
EPD	Present	JOBIN YVON/H10 VIS/97/4678
MAGNET MOTOR	Present	VEXTA/5GD20K-H1
GAP MOTOR	Present	YASUKAWA/SGM-08A3TE11
B.H PRESS VALVA(CENTER)	Present	STEC/SV-P1203
B.H PRESS VALVA(EDGE)	Present	STEC/SV-P1203
B-A GAUGE	Present	
CONVECTION GAUGE	Present	GRANVILLE-PHILLIPS
BACK HE MANOMETER(CENTER)	Present	MKS/622A12TBE
BACK HE MANOMETER(EDGE)	Present	MKS/622A12TBE

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3-2. Chamber Unit P/C-2

Discription	Present/Not	Remark
UPPER ELECTRODE		
BAFFLE A		
FOCUS RING		
BOTOM ELETRODE		
RING INSULATOR A7		
RING INSULATOR B2		
RING SHIELD B3		
BAFFLE PLATE C		
MANOMETER(CHAMBER)	Not Present	
MANOMETER(SELF)	Not Present	
GATE VALVE	Present	VAT/12044-PA24-1002
APC VALVE	Present	VAT/61144-PH52-1008/129
ESC POWER SUPPLY	Present	KYOSAN
EPD	Present	JOBIN YVON/H10 VIS/97/4768
MAGNET MOTOR	Present	VEXTA/5GD20K-H1
GAP MOTOR	Present	YASUKAWA/SGM-08A3TE11
B.H PRESS VALVE(CENTER)	Present	STEC/SV-P1000
B.H PRESS VALVE(EDGE)	Present	STEC/SV-P1000
B-A GAUGE	Present	
CONVECTION GAUGE	Present	GRANVILLE-PHILLIPS
BACK HE MANOMETER(CENTER)	Present	MKS/622A12TBE
BACK HE MANOMETER(EDGE)	Present	MKS/622A12TBE

[PEFORMANCE TEST]At the time of De-installation

1. CASSETTE CHAMBER

	DOOR		STAGE		GATE		MAPPING	STAGE ROTATION
	OPEN	CLOSE	UP	DOWN	OPEN	CLOSE		
C/C1	O.K	O.K	O.K	O.K	O.K	O.K	O.K	O.K
C/C2	O.K	O.K	O.K	O.K	O.K	O.K	O.K	O.K

2. TRANSFER CHAMBER

	C/C1	C/C2	P/C1	P/C2	O/C
EXTENSION	O.K.	O.K.	O.K.	O.K.	O.K.
ROTATION	O.K.	O.K.	O.K.	O.K.	O.K.

3. PROCESS CHAMBER

	SLIT DOOR		LIFTER		GAP		MAGNET MOVEMENT
	OPEN	CLOSE	UP	DOWN	UP	DOWN	
P/C1	O.K	O.K	O.K	O.K	O.K	O.K	O.K
P/C2	O.K	O.K	O.K	O.K	O.K	O.K	O.K

4. PUMPING ABILITY TEST

	C/C	T/C	P/C1	P/C2
BASE PRESSURE	4.30E-2Tr	4.25E-3Tr	1.00E-4Tr	1.00E-4Tr
Leak Rate	22m Torr/min	0.5m Torr/min	0.15m Torr/min	0m Torr/min

5. PUMP RUNNING STAGE

	C/C	T/C	P/C1	P/C2
DRY PUMP	O.K.	O.K.	O.K.	O.K.
TURBO PUMP		O.K.	O.K.	O.K.

6. CHILLER TEST

	RUN STAGE	CH1(UPPER)	CH2(LOWER)	CH3(WALL)
PC1	O.K.	60°C/60.8°C	40°C/41.0°C	60°C/60.7°C
PC2	O.K.	60°C/61.4°C	40°C/30.7°C	60°C/59.2°C