

Configuration for U2e 844DD

Basic Information			
Equipment Model	U2e 844DD	Serial Number	U01000
Equipment Maker	TEL	Inspection Data	2018.07.13
Vintage	1998.05.28	Inspection Check by	SH PARK

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
Chamber Type	DRM
EPD Type	<input type="checkbox"/> Not use <input type="checkbox"/> 20X <input type="checkbox"/> 30X <input checked="" type="checkbox"/> JOBIN <input type="checkbox"/> SE2000
Main Body Type	Narrow

Missing Pars List	
1. Main Controller	HDD(System) / HDD(Data) - Parts Boxの中に有る可能性が大きい。
2. P/C1 Chamber Unit	MANOMETER (CHAMBER): MKS / 627A-13614-S / 0.25Pa / 133.32
3. T/C Unit	CERAMIC TWIN - Parts Boxの中に有る可能性が大きい。

System Configuration		
Module	Configration	Remark
Robot Type	YASUKAWA/Twin Arm	
Robot Drive	YASUKAWA/VS2A	Transfer Chanber
Robot Drive	YASUKAWA/VOSJ	Oriental Chamber
Gate Valve	VAT/12044-PA24-1002	
APC V/V	VAT/61144-PH52-AAM1	PC1,2
TMP1	EBARA/ET600WS	PC1
TMP2	EBARA/ET600WS	PC2
TMP Con't 1	EBARA/606W	PC1
TMP Con't 2	EBARA/606W	PC2
TMP TC	EBARA/ET300WS	
TMP Con't TC	EBARA/306-TF	
Generator 1	ENI/OEM-25B-01	PC1
Generator 2	ENI/OEM-25B-01	PC2
Macher 1	ENI/MWD-25LD	PC1
Macher 2	ENA/MWD-25LD	PC2
Chiller	SHINWA/CH1-CP-DO	PC1,2
Gas MFC	8 Line/HORIBA STEC	
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	FLITE 16T	
ISA SLOT 2	IBX4101	
ISA SLOT 3	EMPTY	
ISA SLOT 4	AT-BCN/A	
	HDD(SYSTEM)	
	HDD(DATA)	
VME Slot 1	SVA 011	
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	
	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)	
Slot 2	TYB112-1/DIO	
Slot 3	TYB111/MAIO	
Slot 4	EMPTY	
Slot 5	TYB121/COM	
Slot 6	EMPTY	

1-3.P/C-2 Controller

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

1-4.T/C Controller

Slot No.	Description	Remark
Slot 1	COM	
Slot 2	TYB112-1/DIO	
Slot 3	TYB112-1/DIO	
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	CHF3	STEC	SEC-7330M	
GAS 2	CO	STEC	SEC-7330M	
GAS 3	O2	STEC	SEC-7330M	
GAS 4	AR	STEC	SEC-Z512MG	
GAS 5	C4F8	STEC	SEC-Z512MG	
GAS 6	CH2F2	STEC	SEC-Z512MG	
GAS 7	CF4	STEC	SEC-Z512MG	
GAS 8	C4F6	STEC	SEC-Z512MG	
B.H.CENTER	HE	STEC	SEC-7330	
B.H.EDGE	HE	STEC	SEC-7330	

2-2. GAS Unit P/C2

MFC				
No.	Gas Name	Maker	Model	Remarks
GAS 1	C4F8	STEC	SEC-7330	
GAS 2	CO	STEC	SEC-7330	
GAS 3	O2	STEC	SEC-7330	
GAS 4	AR	STEC	SEC-7330	
GAS 5	CHF3	STEC	SEC-7330	
GAS 6	CH2F2	STEC	SEC-7330	
GAS 7	CF4	STEC	SEC-7330M	
GAS 8				
B.H.CENTER	HE	STEC	SEC-7330-MC-302	
B.H.EDGE	HE	STEC	SEC-7330-MC-302	

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-PA24-1002/1362
APC VALVE	Present	VAT/61144-PH52-AAM1
ESC POWER SUPPLY	Present	KYOSAN
EPD	Present	JOBIN YVON/H10 VIS/96/4201
MAGNET MOTOR	Present	VEXTA/5GD20K-H1
GAP MOTOR	Present	YASUKAWA/SGM-08A3G14B
B.H PRESS VALVA(CENTER)	Present	STEC/SV-P1203
B.H PRESS VALVA(EDGE)	Present	STEC/SV-P1203
B-A GAUGE	Present	
B-A GAUGE CONTROLLER	Present	
CONVECTION GAUGE	Present	GRANVILLE-PHILLIPS
BACK HE MANOMETER(CENTER)	Present	MKS/622A12TBE/100Torr
BACK HE MANOMETER(EDGE)	Present	MKS/622A12TBE/100Torr

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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)	Present	MKS/627A-13614-S/33.33Pa
MANOMETER(SELF)	Present	
GATE VALVE	Present	VAT/12044-PA24-1002/1557
APC VALVE	Present	VAT/61144-PH52-AAM1
ESC POWER SUPPLY	Present	KYOSAN
EPD	Present	JOBIN YVON/H10 VIS/96/4086
MAGNET MOTOR	Present	GFS 5G20
GAP MOTOR	Present	YASUKAWA/SGM-00A3G14B
B.H PRESS VALVE(CENTER)	Present	STEC/SV-P1000
B.H PRESS VALVE(EDGE)	Present	STEC/SV-P1000
B-A GAUGE	Present	
B-A GAUGE CONTROLLER	Present	
CONVECTION GAUGE	Present	GRANVILLE-PHILLIPS
BACK HE MANOMETER(CENTER)	Present	MKS/622A12TBE/100Torr
BACK HE MANOMETER(EDGE)	Present	MKS/622A12TBE/100Torr

[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	3.40E-2Tr	5.00E-3Tr	1.00E-4Tr	1.00E-4Tr
Leak Rate	15m Torr/min	0m Torr/min	0m 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/61.4°C	20°C/21.0°C	60°C/60.3°C
PC2	O.K.	60°C/59.7°C	20°C/20.5°C	60°C/58.5°C



