

## Kokusai Quixace-II Vertical LPCVD Furnace, 12" Make Model Type

Asset ID: 46022



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To our knowledge, the information contained in this data sheet is accurate, but it may contain errors and we do not warrant the completeness or accuracy of this data.

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### 3-1 Furnace Unit

No.	Description	Model	Q'ty	Remark
1	Cartridge Heater	D4EX28804	1	RHC2 Heater
2	T/C for Heater Control	D4EX24431	5	
3	T/C for Over temperature Protection	D4EX15442	5	
4	5-P T/C for Cascade Control	D4EX26037	1	L type
5	1-P T/C for Profile Control	D4EX29533	0	OPTION (1pc/Film)
6	Thyristor Unit for Control	SKKT160L5Z4F-HKD	1	Air cooling type 5 zone type

### 3-2 Clean Unit

No.	Description	Model	Q'ty	Remark
1	Clean Module Unit	BV-R15TU1G7N	1	Wafer transfer area(Transfer)
2	Clean Module Unit	FU37050KE	1	Rotation FOUP Storage(Upper)
3	Clean Module Unit	FU37096KE	1	Rotation FOUP Storage(Lower)
4	Chemical Filter	CBM3-C-1099600C-F068	1	for Wafer transfer area
5	Chemical Filter	F-6000-053-0001	1	for intake for Wafer transfer area

### 3-3 Controller

No.	Description	Model	Q'ty	Remark
1	Main Controller-ØU••	D4EX35757(CX5000)	1	
2	Main Operation Unit	TM150-HKT02	1	
3	Sub Operation Unit	KDSC-2005SUBDISP	1	• 2
4	Process Module Controller	D4EX36773(PMC5000)	1	
5	DDC Temperature Controller	D4EX36151(CQ1720)	1	CPU Unit +TC Unit
6	Gate Drive Unit	D4EX36969(DN-150VR-T5)	1	
7	MFC / Pressure Unit	D4EX36215(MFCDNET2)	2	DeviceNet Remote
8	FOUP Loader Controller Unit	D4EX36773(Robo5000)	1	Main Unit
9	Wafer Handling Controller Unit	D4EX36758(Robo5000)	1	Sub Unit
10	Valve / Interlock Control Unit	CJ1G-CPU43H	1	Made by Omron
11	Switching HUB	FL SWITCH SFN 8TX	1	
12	Signal Tower (Front)	WEP-402-RYGB	1	Red, Yellow, Green , Blue
13	Signal Tower (Rear)	MES-402A-RYGB	1	Red, Yellow, Green , Blue
14	Gas Pattern Panel	D7EX39865	1 2	••••••••

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### 3-4 Drive Mechanisms

No.	Description	Model	Q'ty	Remark
1	I/O Shutter	----	1	
2	AGV/PGV/OHT Stage	----	1	
3	FOUP Loader	----	1	
4	Rotation FOUP Storage	----	1	FOUP receipt number : 16
5	FOUP Opener	----	1	2 Ports
6	Wafer Detection	----	2	25 in one lot.
7	Wafer Transfer	----	1	Lift Transfer
8	Variable Wafer Pitch Converter	----	1	
9	Boat Elevator	----	1	
10	Furnace Port Shutter	----	1	
11	Boat Rotation	----	1	

### 3-6 Gas System

No.	Description	Model	Q'ty	Remark
1	Gas Unit(IGS)	----	1	N2, 5%BCl3/He, 1%PH3/He, SiH4, 1%O2/Ar, ClF3

### 3-7 Exhaust System

No.	Description	Model	Q'ty	Remark
2	Diaphragm Sensor (1000Torr)	623B-28329	1	Made by MKS
3	Diaphragm Sensor (10Torr)	626B11TBE	1	Made by MKS
4	Differential Diaphragm Sensor (100Torr)	223B-00100	1	Made by MKS
5	Pirani Sensor	PSG502-S(Sensor)	3	Made by INFICON
		VGC402(Controller)	2	Made by INFICON
6	Main Valve	VEC-CA8-X0301(Controller)	1	Made by CKD
		VEC-V8-X0301(Valve Unit)	1	Made by CKD
7	Exhaust Piping	----	1	
8	Exhaust Dilution Line	----	1	
9	Reactor Tube Press Leak Line	----	1	
10	Back Ground Line	----	1	5%BCl3/He, 1%PH3/He, SiH4
11	ATM Sensor	PA830-102G-VCR	2	Made by Copal
12	ATM Gauge	PZ200	2	Made by Copal
13	ATM Sensor (Double O-ring)	PA830-102V-VCR	1	Made by Copal
14	ATM Gauge (Double O-ring)	PZ200	1	Made by Copal

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No.	Description	Model	Q'ty	Remark
1	Water leak detector (Detector)	K7L-AT50	2	Made by OMRON
2	Water leak detector (Sensor)	F03-16PE	2	Made by OMRON
3	O2 Monitor / Detector	TF-21D201(RX-105064-A)	1	Made by Energy Support
4	Light Curtain System	SL-C52H	1	Made by KEYENCE
5	Smoke Detector	CPC-3	1	Made by NITTAN • ✓
6	Smoke Detector(Sensor)	OKB	1	Made by NITTAN • ✓ For Power BOX
7	Gas Detector (BCL3 Detector)	GD-K71D-R(BCL3/5PPM) <del>GD-K71D-R(BCL3/1PPM)</del>	1	Made by RIKEN KEIKI • ✓ For GAS BOX/SCAVENGER
8	Gas Detector (PH3 Detector)	GD-K71D-R(PH3/1PPM)	1	Made by RIKEN KEIKI • ✓ For GAS BOX/SCAVENGER
9	Gas Detector (SIH4 Detector)	GD-K71D-R(SIH4/15PPM)	1	Made by RIKEN KEIKI • ✓ For GAS BOX/SCAVENGER
10	Gas Detector (CLF3 Detector)	GD-K71D-R(CLF3/0.6PPM) <del>GD-K71D-R(CLF3/1PPM)</del>	1	Made by RIKEN KEIKI • ✓ For GAS BOX/SCAVENGER
11	Gas Detector (HCL Detector)	GD-K71D-R(HCL/5PPM)	1	Made by RIKEN KEIKI • ✓ For L/L Chamber

### 3-9-1 Load Lock System

No.	Description	Model	Q'ty	Remark
1	Furnace port	----	**	
**	Load Lock Chamber	----	1	
3	Gas Inlet	----	1	
4	Door Valve	----	1	
5	Furnace Port Gate Valve	----	1	
6	Gas Control For N2 Purge	----	1	
7	Exhaust piping	----	1	
8	Water Cooling N2 Purge Line	----	1	
9	Auto Pressure Control Line	----	1	
10	Mass Flow Controller For N2 Purge	FC-782-6V-TC,N2,200SLM-P2806100	2	Made by AE

### 3-9-2 Other

No.	Description	Model	Q'ty	Remark
1	OHT I/F UNIT	DMG-HB1	2	Made by HOKUYO • ✓
2	CIDRW CONTROLLER	V700-L22-5	1	Made by OMRON • ✓
3	RF-ID AMP UNIT	V640-HAM12	2	Made by OMRON • ✓
4	CIDRW HEAD	V640-HS62	2	Made by OMRON • ✓

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