VERTICAL FURNACE INSPECTION REPORT

MAKER	KE	MODEL	KE DD-823V
VINTAGE	1997.7	SERIAL NO	
PROCESS	H2 ANNEAL	INSPECTION DATE	2022.08.29

Unit	No	Contents	Configuration	Remark
General Information	1	System Layout	Main , Utility	
	2	System Type	L Type	
	3	Side Maintenance	No Side Maintenance	
	4	System Paint Color	IVORY	
	5	Furnace Front Surface Finish	Painted	
	6	Heater Model	-	
	7	Rapid Cooling Unit	Not Installed	
	8	N2 Load Lock	Not Installed	
	9	O2 Analyzer	Not Installed	
	10	Cassette I/O Type (Normal / SMIF)	SMIF	
	11	SMIF Maker / Model	ASYST / INDEXER 2200	
	12	AGV Compatibility	Unable	
	13	System Main Controller	CX3002A	
	14	Mechanical Controller	CX1215-1,1215-2	
	15	Sequence Controller	CX1312	
	16	Gas Controller	CX3201B	
	17	Gas Flow Chart Pannel	Installed (FRONT)	
	18	Operation Pannel	Installed (FRONT)	
	19	Signal Tower / Colors	Not Installed	
	20	Furnace Temperature Controller	CQ1600	
	21	Furnace Overtemp Detector	DN-150	
	22	Gas Detecter Maker / Model	Riken Keiki / GD-V11D	
	23	Detecting Gas	H2	
	24	Host Communications	Yes	
	25	User Host Computer I/F	HSMS	
	26	Manual (Drawing, Parts list etc)	Not Include	
Gas System	1	Process Gas	N2 , H2	
	2	Basic Style	Integrated Gas System (Fujikin)	
	3	Manual Valve	FUJIKIN	
	4	Air-Operated Valve	FUJIKIN	
	5	Filter	PALL	
	6	Regulator	TANAKA ENGINEERING	
	7	MFC Maker / Model	AREA / FC-786, FC-866	
	8	PT Sensor Maker / Model	NAGANO KEIKI / ZT-17	
	9	DPM Maker / Model	NAGANO KEIKI / GC-84,GC-94	

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Gas System	10	Check Valve	Installed	
	11	Baking System	Not Installed	
	12	Liquid Source Auto-Refill	Not Installed	
	13	Burn Controller	Not Installed	
	14	Veporizer	Not Installed	
Vacuum / Exhaust System	1	Pump	Not Installed	
	2	Pressure Control Valve	Not Installed	
	3	Pressure Controller	Not Installed	
	4	Pressure Sensor	Not Installed	
	5	Trap	Not Installed	
	6	Gas Cooler	Not Installed	
Wafer / Cassette Handling	1	Wafer Type	200 mm	
	2	Auto Wafer Aligner	Not Installed	
	3	Wafer Qty. in Cassette	-	not able to check
	4	Cassette Storage Qty.	24	
	5	Fork Type	1 + 4 (VAC)	
	6	Fork-Wafer Presence Sensor	Installed	
	7	Fork-Variable Pitch	Installed	
	8	Magnetic Seal Rotation	Not Installed	
Process Kits	1	Boat Type / Pitch	N/A	
	2	Boat Material	N/A	
	3	Cap Pedestal Material	N/A	
	4	Outer Tube	N/A	
	5	Inner Tube	N/A	
	6	SIC Liner Tube	N/A	
	7	Process Tube	N/A	
	8	External Torch	N/A	
	9	Profile T/C Type	N/A	
	10	ETC		