VERTICAL FURNACE INSPECTION REPORT

MAKER	KE	MODEL	KE-DD 823V
VINTAGE	1995.8	SERIAL NO	
PROCESS	H2 ANNEAL	INSPECTION DATE	2022-08-30

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	Installed (LC-750)	
	10	Cassette I/O Type (Normal / SMIF)	Normal I/O	
	11	SMIF Maker / Model	Not Installed	
	12	AGV Compatibility	Unable	
	13	System Main Controller	CX2003A	
	14	Mechanical Controller	CX1215-1,1215-2	
	15	Sequence Controller	CX1309A	
	16	Gas Controller	CX2003A	
	17	Gas Flow Chart Pannel	Installed	
	18	Operation Pannel	Installed	
	19	Signal Tower / Colors	Not Installed	
	20	Furnace Temperature Controller	CQ1500A	
	21	Furnace Overtemp Detector	DN-130LZ3	
	22	Gas Detecter Maker / Model	Riken Keiki / GD-D8V	
	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	MILLIPORE (Ni)	
	6	Regulator	YATAKA ENG	
	7	MFC Maker / Model	STEC / SEC-7330,7350,7340	
	8	PT Sensor Maker / Model	TEMTECH / TPTMV-WD420	
	9	DPM Maker / Model	TEMTECH / NPS4200OP	

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Gas System	10	Check Valve	NUPRO	
	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	Installed	
	3	Wafer Qty. in Cassette	25	
	4	Cassette Storage Qty.	21	
	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		