

VERTICAL FURNACE INSPECTION REPORT			
MAKER	KE	MODEL	KE-DJ 853V
VINTAGE	2000		
PROCESS	NITRIDE	INSPECTION DATE	2026-03-24

Unit	No	Contents	Configuration	Remark
General Information	1	System Layout	Main & Utility Integrated	
	2	System Type	L Type	
	3	Side Maintenance	No Side Maintenance	
	4	System Paint Color	GRAY	
	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)	Normal I/O	
	11	SMIF Maker / Model	Not Installed	
	12	AGV Compatibility	Unable	
	13	System Main Controller	CX3002B	
	14	Mechanical Controller	CX1223	
	15	Sequence Controller	OMRON CS1G	
	16	Gas Controller	CX3202	
	17	Gas Flow Chart Pannel	Not Installed	
	18	Operation Pannel	Installed	
	19	Signal Tower / Colors	Installed	4 colors
	20	Furnace Temperature Controller	CQ1600	
	21	Furnace Overtemp Detector	DN-150V	
	22	Gas Detector Maker / Model	Not Installed	
	23	Detecting Gas	-	
	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 , NH3, DCS	
	2	Integrated Gas System	Block style	
	3	Manual Valve	FUJIKIN	
	4	Air-Operated Valve	FUJIKIN	
	5	Filter	MILLIPORE (Ni)	
	6	Regulator	VERIFLOW	
	7	MFC Maker / Model	STEC / SEC-7330	
	8	PT Sensor Maker / Model	NAGANO	
	9	DPM Maker / Model	NAGANO	

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Gas System	10	Check Valve	Not Installed	
	11	Baking System	Not Installed	
	12	Liquid Source Auto-Refill	Not Installed	
	13	Burn Controller	Not Installed	
	14	Vaporizer	Not Installed	
Vacuum / Exhaust System	1	Pump	Not Included	
	2	Pressure Control Valve	CKD	
	3	Pressure Controller	CKD	
	4	Pressure Sensor	INFICON	
	5	Trap	Installed	
	6	Gas Cooler	Not Installed	
Wafer / Cassette Handling	1	Wafer Type	150 mm (6Inch)	
	2	Auto Wafer Aligner	Not Installed	
	3	Wafer Qty. in Cassette	25	
	4	Cassette Storage Qty.	18	
	5	Fork Type	1 + 4 (VAC)	Vacuum tweezer type
	6	Fork-Wafer Presence Sensor	Installed	
	7	Fork-Variable Pitch	Installed	
	8	Magnetic Seal Rotation	Not Installed	