

TECHNICAL SPEC FOR Vertical furnace

System Model:	TEL Alpha 8 series
Specific model:	TEL ALPHA-8SE-D
Process (Poly, TEOS, Nitride, Pyro, etc.):	POCL DOPE
APCVD or LPCVD:	APCVD
HDD and SW included or not:	SW installed, tool version with HDD
Main controller type:	WAVES
SiC/quartz included or not:	Separated
Substrate size:	Configured for 6 inch, 8 inch compatible
SMIF:	No
Gas config:	For POCL dope process
Leak detection:	No
Wafer notch aligner:	6" Jeida flat
Handler type:	TBAWL
Indexer:	With wafer counter for 6"
Carrier type, FOUP:	No FOUP
Buffer Capacity:	2X6 prod carriers, and 9 carriers for mon, extraDummies, dummies
Boat type:	170 slots, 150 prod wafers
Boat rotation:	Yes
Heater type:	5Zone
Carrier ID reader:	No

MFC: 2X N2 and MDOT, 1X O2

Pressure transducer: N/A

Soft Backfill injector: N/A

CKD-VEC Vacuum pressure controller: N/A

CDA: Yes

Temperature controller: 560A

Exhaust controller: Yes

Power Box: No

Missing parts: No

Defected parts: No

Operating system: WAVES

Serial plate M7X5149

DOPE3

TYPE ALPHA-3S-0
SERIAL NO. M000007-149
PHASE 3 TYPE OF DISTRIBUTION 3 WIRE
POWER 400 Vac 50/60Hz 40.6 kVA
FULL-LOAD CURRENT 75 A
AMPERE RATING OF THE LARGEST LOAD 75 A
MACHINE MAIN BREAKER AMPERE 75 A
SHORT-CIRCUIT INTERRUPTING CAPACITY 35 kA
OVERCURRENT PROTECTION PROVIDED AT MACHINE
SUPPLY TERMINALS
ELECTRICAL DIAGRAM NO. 2192-134872

DATE OF MANUFACTURE 2007.12
MANUFACTURED BY TOKYO ELECTRON TOHOKU LIMITED.
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