

## TECHNICAL SPEC FOR Vertical furnace

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System Model:	TS4000TEL Alpha 8 series
Specific model:	Model ALPHA-8SE-Z
Process (Poly, TEOS, Nitride, Pyro, etc.):	POLY
APCVD or LPCVD:	LPCVD
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 POLY process, TS4000
Leak detection:	Yes
Wafer notch aligner:	6" Jeida flat
Handler type:	TBAWL
Indexer:	With wafer counter for 6"
Carrier type, FOUP:	6" black carriers, No FOUP
Buffer Capacity:	2X 6 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:	5X N2 and 4X SiH4, 2X NotUsed
Pressure transducer:	1X 1Torr, 1X 10Torr, 1X 1000Torr
CKD-VEC Vacuum pressure controller:	CKD
CDA:	Yes
Temperature controller:	560
Exhaust controller:	Yes
Power Box:	No
Missing parts:	No
Defected parts:	No
Operating system:	WAVES
Serial plate	

POLY4

CE

**CE Thermal Processing System**

TYPE	ALPHA=8SE=Z		
SERIAL NO.	M00009905039		
PHASE	TYPE OF DISTRIBUTION	WIRE	
POWER	208 Vac 50/60Hz	25.6 kVA	
FULL-LOAD CURRENT	117.3 A		
AMPERE RATING OF THE LARGEST LOAD	117.3 A		
MACHINE MAIN BREAKER AMPERE	125 A		
AIC OF MAIN BREAKER	50 kA	SCCR	10 kA
OVERCURRENT PROTECTION PROVIDED AT MACHINE SUPPLY TERMINALS			
ELECTRICAL DIAGRAM NO.	1192-129022		

DATE OF MANUFACTURE 1993.04

MANUFACTURED BY TOKYO ELECTRON FE LIMITED  
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AUTHORIZED DISTRIBUTOR  
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