

## 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-7

SERIAL NO. M00009905039

PHASE 3 TYPE OF DISTRIBUTION 3 WIRE 3

POWER 208 Vac 50/60Hz 20.6 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 1999.04

MANUFACTURED BY TOKYO ELECTRON FE LIMITED  
30-7 SUMIYOSHI-CHO, 2-CHOME, FUCHU CITY, TOKYO 183-8705, JAPAN

AUTHORIZED DISTRIBUTOR  
TOKYO ELECTRON EUROPE LIMITED  
PIONEER, CRAWLEY BUSINESS QUARTER, FLEMING WAY, CRAWLEY, WEST SUSSEX RH10 9QL, ENGLAND U.K.

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