

TECHNICAL SPEC FOR Vertical furnace

System Model:	TEL Alpha 8 series
Specific model: ALPHA 658SD	Vintage 1995.08
Process (Poly, TEOS, Nitride, Pyro, etc.):	Vertical furnace, Oxidation, POLYOX Diluted torch setup
APCVD or LPCVD:	Oxidation-diffusion
HDD and SW included or not:	S/W included
Main controller type:	TS4000ZE
SiC/quartz included or not:	Quartz separated
Substrate size:	6 inch, convertible to 8 inch (heater, liner, tube are 8")
SMIF:	No
Gas config:	N2, O2, H2, DCE
Leak detection:	Yes
Wafer notch aligner:	6" Jeide flat aligner and wafercounter
Handler type:	TBAWL
Indexer:	Wafercounter included
Carrier type, FOUP:	6" carriers, no FOUP
Buffer Capacity:	16 carriers
Boat type:	4 rod, 170 slots, 150 prod
Boat rotation:	No
Heater type:	5Zone
Carrier ID reader:	No
MFC:	6X STEC

Pressure transducer:	No
CKD-VEC Vacuum pressure controller:	No
CDA:	Yes
Temperature controller:	Model 121
Exhaust controller:	Yes
Power Box:	Yes
Missing parts:	No – tool was in operation
Defected parts:	No – tool was in operation
Operating system:	TEL – TS4000
Electrical in/outlets	380VAC, 3F, 41.2 kVA
Serial plate	A00009570125

