

TECHNICAL SPEC FOR furnace

System Model:	Thermco Horizontal 1/4	THERMCO
Specific model:	THERMCO 5000, type SCAB	
Process:	Horizontal Hi-temp oxidation/diffusion	
Substrate size:	6 inch	
MFC for each tube: (N2Carrier, 2 SLM)	1X N2 (30 SLM), 2X O2 (20 SLM, 2 SLM), 1X H2 (20 SLM), DCE	
Process temperature:	1250°C	
Voltage:	3X400VAC	
Heating element:	MRL	
P/N No for each tube:	6 inch SiC	
Tube size:	6 inch, SiC tube with profile TC	
Water cooled heat exchanger:	Yes	
Thermocouples:	B-type, 3-zone profile and 3-zone spike	
Temp controlled zones:	3-zones	
Over temp monitoring:	Yes	
Boat loader type:	BT-loader (belt)	
Hlf air supply:	From fab	
Blower power:	Separated	
Hepa filter type:	Fire limiting	
Hepa filter access:	Rear	
Scavenger boxes:	Standard	
Head assembly:	SiC paddle	

Cantilever type:	Cryco
Source cabinet:	Standard for hi-temp ox/diffusion
Gas manifolds:	See MFC
Exhaust position:	To top
External torch:	Air cooled steam generator
Source heater:	Resistor
Bubbler:	DCE – Schumacher - ATCS 15 TLC
CDA:	Yes
Regulator:	Common for stack
Gauge:	Common for stack
Filter:	Yes
Gas inlet location:	Top
Valve:	Standard
Computer console:	Separate TMX cabinet
Controller:	TMX
Missing parts:	None
Defected parts:	None
Operating system:	Brooks / AppliedMaterials SEMY
Serial plate	S/O 1244

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Scotts Valley, Ca, 95066 - USA

CE CERTIFICATE: P9674211

REMANUFACTURED DIFFUSION & LPCVD FURNACE MODEL 5000
SCAB S/N 1244

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REMANUFACTURED DIFFUSION FURNACE
SCOTTS VALLEY, CALIF. U.S.A.

SER. NO.		VOLTS	380		
TYPE	SC-B	FREQ.	50 HZ	AMPS	275 A
S.O. NO.	1244	PHASE	3	POWER	75 KW