

## TECHNICAL SPEC FOR Furnace

<b>System Model:</b>	<b>SVG VTR 7000</b>
<b>Process:</b>	<b>Phosphine dopes LPCVD POLY</b>
<b>Materials:</b>	<b>PCE and ACE</b>
<b>Substrate size:</b>	<b>Set up on 6 inch, 8 inch compatible (8 inch heater, tube, pedestal).</b>
<b>SMIF:</b>	<b>No</b>
<b>Gas config:</b>	<b>N2, SiH4 top/injector, PH3 top/injector</b>
<b>MFC:</b>	<b>2X N2, 2X SiH4, 2X PH3</b>
<b>Wafer storage:</b>	<b>1X Mon, 1X MinLoads, 6X Prod</b>
<b>VCR Gasline interconnect:</b>	<b>Yes</b>
<b>PCE Controller:</b>	<b>CRT</b>
<b>ACE Panel:</b>	<b>Standard</b>
<b>Robot:</b>	<b>Compumotor</b>
<b>Boat type:</b>	<b>6 inch, quartz on 8" pedestal</b>
<b>Boat rotation:</b>	<b>No</b>
<b>Boat elevator:</b>	<b>Dual boat elevator, currently set up for single boat</b>
<b>Laminar flow hood:</b>	<b>Included</b>
<b>Trans LC bubbler:</b>	<b>No</b>
<b>Anti-static bar:</b>	<b>Yes</b>
<b>Combustible gas monitor:</b>	<b>No</b>
<b>Element lift:</b>	<b>Yes</b>
<b>Torch controller:</b>	<b>N/A (because LPCVD POLY type)</b>
<b>Missing parts:</b>	<b>No</b>
<b>Defected parts:</b>	<b>No</b>
<b>Operating system:</b>	<b>ACE / PCE configuration connected to SEMY server.</b>
<b>Serial plate</b>	

PHPOLY1

**SSS THERMCO SYSTEMS**  
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SER NO. V7B-407 / VOLTS 480 AIC 14K

TYPE VTR7000 BASELINE FREQ. 60 HZ AMPS 60

S/D NO. V19662-5 PHASE 3 POWER 25

L1 32 / AMPS L2 24 AMPS L3 27

OVERCURRENT PROTECTION SUPPLIED AT THE MACHINE SUPPLY TERMINALS