

VACUUM OVENS

LACO's custom vacuum ovens and thermal vacuum chambers achieve temperatures up to 600° C (1,112° F) and are designed for any vacuum level from atmospheric pressure down to below 10⁻⁷ torr. Based on your specific application, our vacuum ovens utilize a combination of three primary heating modes: heated platen, heated wall, and internally heated to achieve the ideal temperature for your process. Thermal vacuum chamber designs are available in cube sizes from 12" to 48" and cylindrical designs from 12" to 48" diameter.



HEATING MODES

- HP Series: Heated Platen (300° C / 572° F max)
- HW Series: Heated Wall (300° C / 572° F max)
- HI Series: Heated Internally (600° C/1,112° F max)

STANDARD FEATURES

- Engineered and built for high vacuum service
- Rugged chamber designs to resist thermal and vacuum cycling
- PID temperature control with over temperature protection
- Electrical design to NFPA 79 standards

APPLICATIONS

- Vacuum drying
- High vacuum bake out
- Thermal testing
- Environmental testing
- Vacuum degassing
- Vacuum joining
- Heat treating



VACUUM OVEN OPTIONS AND CONFIGURATIONS

VACUUM RANGE	PROCESS CONTROL	OTHER OPTIONS	
<ul style="list-style-type: none"> • Medium vacuum: Oil sealed or dry vacuum pumps • High vacuum: Turbomolecular or cryogenic vacuum pumps 	<ul style="list-style-type: none"> • Manual • Standard VC/HVC-2000 Controller • Custom PLC or PC Controlled 	<ul style="list-style-type: none"> • Inert gas purging (heated and non-heated) • Convection heating • Low temperature cooling • Multiple temperature controlled platens/shelves 	<ul style="list-style-type: none"> • Condensers for high vapor loads • Rapid process cooling • Water cooled feed throughs and door seals