

HIGH RELIABILITY THERMAL CURING SYSTEM 200MM SMIF ULTRA-CLEAN VACUUM CURING OVENS

PVO-450 Series Superior Performance

- Class 10 Ultra Clean Curing Chamber
- Full Automation
- Up To 450 °C Curing Temperature At $\pm 3^{\circ}\text{C}$
- Maximum Heating Ramp 6 °C/Minute and Cooling Ramp 4 °C/minute
- Process under vacuum (10 torr) with 1-3 gases
- Field Qualified Install bases worldwide



Energy Saving and Low Operation Cost

- Air cooling $\rightarrow$ Low energy
- 80% nitrogen savings



PVO-450-1
Single-Chamber (50 wafers)



PVO-450-G2
High Precision Dual-Chamber



PVO-450-2
Dual-Chamber (100 wafers)

Qualified Process

- | | | |
|-----------------------------|-----------------------|------------------------|
| ■ 2.5D / 3D IC profile cure | ■ Thermal Cure | ■ Photoresist Cure |
| ■ Anneal | ■ Moisture Removed | ■ Copper Anneal |
| ■ PI Cure | ■ Photoresist Removed | ■ Copper Oxide Removed |
| ■ BCB Cure | ■ Re-flow | |



Fortrend Engineering Corporation

Address: 2220 O' Toole Ave, San Jose, CA 95131, United States

Tel: (408) 734-9311 Fax: (408) 734-9311 E-mail: sales@fortrend.com Website: www.fortrend.com