

ROBOTHERM

Robotics and Thermal Process Solution for Electronics Assembly,
Semiconductor Packaging and Engineered Products industries



INFRARED OVEN

FM 3500-61 SERIES

6 Heating Zones / 1 Cooling Zone

APPLICATIONS

Curing & Drying

- Conductive, Non-Conductive Polymer
- Die-Attach, Silver-Glass
- Glob top, Encapsulant
- Resins, Epoxies, Glue, Adhesives
- Underfill

Reflow Soldering

- BGA/CGA
- Flip Chip
- Heat Sink Attach
- Package Lid Sealing
- Preform
- Wafer Bump

STANDARD FEATURES & BENEFITS

Windows NT™, graphic interface software

- Computerized control of Heating & Cooling Temperatures, Conveyor System and Gas Injection Rates
- Real Time, multi-point recording of product time/temperature thermal curve
- On-Screen Profiling

Robotherm® Conveyor

- Unic Low-Low Mass System
- In Line transport system
- Thermally invisible
- Automatic tension
- Adjustable speed
- Vibration free conveyor
- Absolutely no oiling required
- Standard working width of 350 mm

Robotherm® Infrared Emitters

- Unic Embedded Heating & Cooling Systems
- Medium-to-Long Wave Spectrum
- Maintenance free
- Operating Temperature : 550°C max
- 6 Individually Controllable Heating Zones
- 2 individually Controllable Emitters per Zones
- Peak temperature repeatability to within +/-1%
- Over temperature protection

Robotherm® Cooling System

- 1 Controlled Cooling Zone
- Switchable Air or Water Cooling
- Additional Cooling zone in the unloading area

Gas Flow Management System

- Switchable Air or Nitrogene Injection
- Excellent zones separation
- Highly stable temperature environment
- Gas injection and extraction per zone
- Preheated gaz injection per zone
- Exhaust System
- Turbulence Free
- Air or N² Curtain

Stable and Reproducible process

Ideal for processing all carriers and substrate materials

Cleanroom Compatible

Optimal accessibility for service and maintenance

Durable low maintenance design for maximum "uptime"

Common European (CE) Product Safety Certification
SMEMA Compliant

In Robotherm's policy for continuous improvement, specifications can change without prior notice