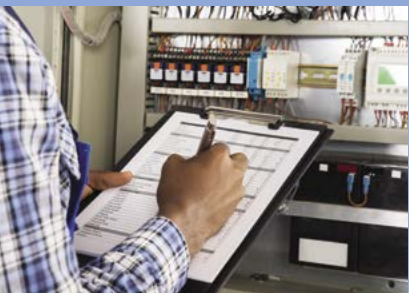




The Global Leader in Thermal Technology



## Proactive Service for Long System Life



### Key Benefits

- Avoid unscheduled downtime
- Improved system performance
- Ensure system safety
- Streamline future repairs and maintenance
- Learn about cost-saving upgrades

### Models Available

- Pyramax
- Paragon
- VIP
- Custom Furnaces
- TCA
- TFF



BTU furnaces and reflow ovens are known worldwide for their quality construction, productivity and long usable life. We are offering a Health Check service, which is essentially a “well visit” for BTU reflow ovens and custom furnaces. During a Health Check, BTU system experts will perform mechanical checks and inspections, test electrical subsystems – including all heater circuits, perform calibrations, and verify all safety interlocks. Optional Oxygen analyzer calibration is available during the Health Check visit.

Health Check is offered regionally at a fixed price by reflow oven model or standard furnace type, making quotations/budgeting quick and easy. Customized quotes are available for non-standard equipment types. Ask us about flexible contracts for recurring annual Health Checks.



### Mechanical Checks and Inspection

- ☐ Drive: motors, sprockets, chains, rails, rollers, bearings, belt
- ☐ Heated section: heaters, insulation, inner casing, gaskets
- ☐ Conveyor: return, belt guides, trays, flange rollers
- ☐ Gas system: circuits, flowmeters, solenoid valves, plumbing
- ☐ Cooler: heat exchangers, filters, fans
- ☐ Flux Management: condensers, plumbing, motor, filters



### Electrical

- ☐ Heater circuits: fully test all heaters, solid state relays, and record current
- ☐ Blower motor controllers: verify static pressure and seal of each zone
- ☐ Alarms: comprehensive testing of each system alarm
- ☐ Program outputs: every output tested and recorded
- ☐ Switches and lamps: indicators tested
- ☐ Flux management: check timing circuit, motor, interlocks and static pressure
- ☐ SMEA circuits: completely tested (If applicable)



### Calibration

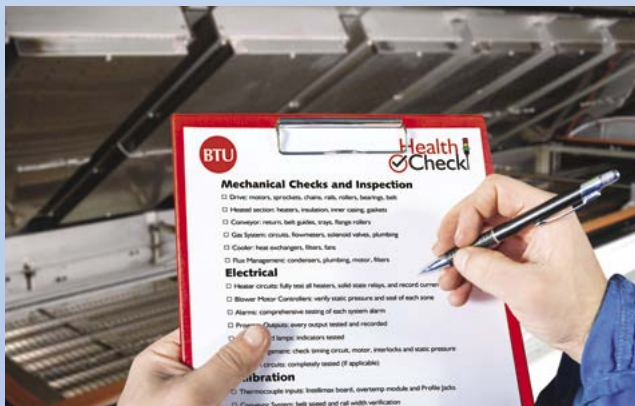
- ☐ Thermocouple inputs: Intellimax board, overtemp module and Profile Jacks
- ☐ Conveyor system: belt speed and rail width verification
- ☐ All calibrations and verifications are made using instrumentation calibrated to ISO standards for full documentation and traceability



### Safety and Validation

- ☐ Test all safety interlocks and alarms: low gas pressure, fan fail, conveyor fault, EMO, low water flow, low water level, water leak detection, hood interlock, exhaust fail
- ☐ Testing of the over temperature protection circuit
- ☐ Verify UPS function and battery life
- ☐ Wincon control system files backed up to BTU's protected servers

# Health Check Report



The output of the Health Check visit is the Health Check Report which details every verification and inspection performed and includes all calibration documentation. In addition, a quotation for any suggested service and/or spare parts is provided to streamline maintenance planning. Any faults that can be corrected during the course of the Health Check visit would be completed at no additional charge.

- Comprehensive test results
- All faults found with suggested corrections
- Suggested modifications or upgrades
- Recommended maintenance procedures and frequency
- Quotations for any spares, service work, or upgrades

## Global Strength

BTU provides world-class service and customer support in over 30 countries around the globe.



- 24/7 worldwide customer support
- Manufacturing and engineering in the US and China
- Process applications laboratories in the US and China
- Global training locations

- ★ BTU production and engineering facilities
- BTU regional locations
- BTU representatives

## LEARN MORE

Contact the service team in your region for pricing and availability.

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24hr Technical Support: +1-800-998-0666

**Europe Phone:** +44(0) 1252-660010

**Asia China Phone:** +86-21-58669098

Email us at:

**HealthCheck@btu.com**

Or visit:

**<https://www.btu.com/customer-support/health-check/>**  
to learn more and request a quotation.



**www.BTU.com**