

### HEAT TREATMENT SYSTEM

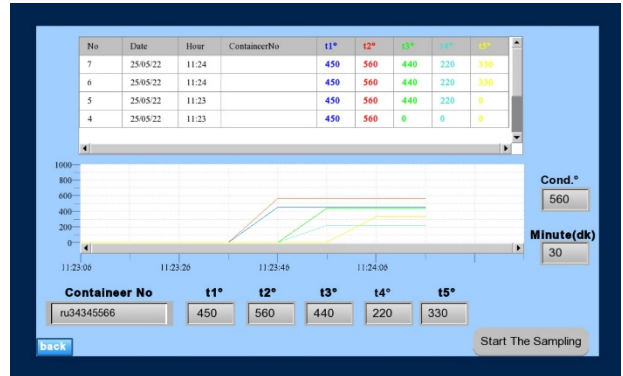
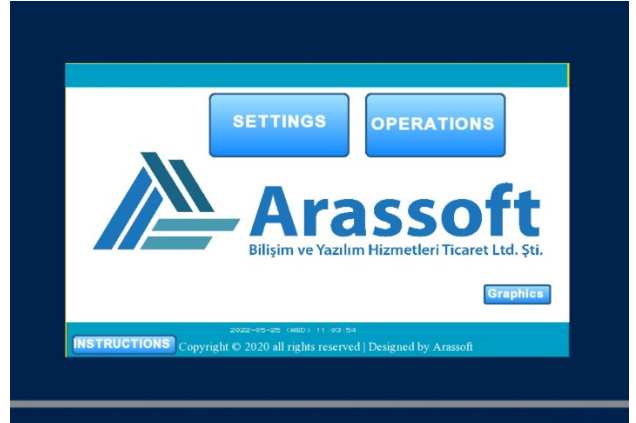
Heat Treatment treatment can do directly in **Port Area/Terminal** with «Thermodef» equipment

A standalone record system consisting of a control terminal, sensors, HT application, reporting, and simple IO connection to turn off the heater when the heat treatment cycle has successfully completed.

Air flow will go throw an **isolated protection** placed at container's doors.

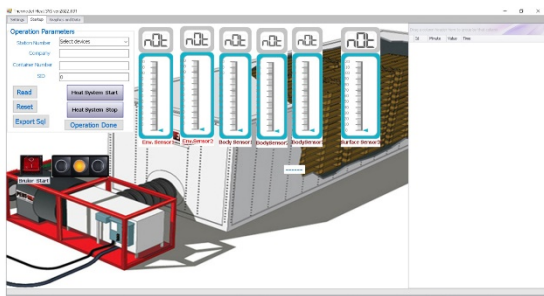
System can set in a short time.

- The Australian Department of Agriculture (the department) and the New Zealand Ministry for Primary Industries (NZ MPI) have specific requirements to ensure brown marmorated stink bug (BMSB) heat treatments (HT) are effectively conducted and verified.
- Thermodef System can operate automatically heat treatments for BMSB in a containerized Cargo.
- Goods must not be wrapped or covered in a way that stops the heat from accessing all surfaces of the goods that are accessible to BMSB.
- Thermodef System can run by intelligently and record all exposure period datas in its memory to use Certification and Recording.
- Customer can use Thermodef software to prepare for certification and save records.



Thermodef System measures, stores and monitors temperatures within your Heat Treatment facility, to meet the requirements needed for BMSB treatment described in 2021-22 Seasonal measures for Brown marmorated stink bug (BMSB). Once installed and configured the system stands out by ease of use

- Just press the start button and go:
- Measures and stores the temperature on 5 locations in the container.
- When all the temperature sensors reach 56 °C, a timer is started for 30 minutes, cycle will restart if a sensor value drops under 56 °C.
- The heating session is stopped automatically once the cycle has ended and system gives alarm.
- A report is created, containing all temperatures over the time, as proof that the cargo in the location has successfully been heat treated.
- Multi Language operation.



## Characteristics

- Calibrated, temperature sensors, including certificate
- Fulfills Australian and New Zealand requirements for BMSB heat treatments
- Configurable location size (number of cars or units and amount of sensors/car or unit)
- Progress can be monitored and started via industrial touchscreen HMI
- Touchscreen system monitoring and maintenance via 4G router (Optional)
- Backup reports on USB stick
- Easy replacement of sensors, even during operation

