



EMBICON

EMBICON

Temperature + Humidity Monitoring (Drying Room)

Stable Environment.
Stronger Shells.



What It Does

This system continuously monitors and logs temperature and humidity inside shell drying rooms, helping ensure consistent environmental conditions for shell drying. This is critical for shell strength, coating quality, and rejection control.

Key Features

- Accurate digital sensors ($\pm 0.5^{\circ}\text{C}$ / $\pm 2\%$ RH)
- Real-time display with local & remote access
- 24x7 data logging with time stamping
- Alarm alerts for threshold breaches
- Wireless or wired sensor network
- SCADA / EMS / cloud connectivity (optional)

Why Use It

- Maintains optimal shell drying conditions
- Reduces risk of cracking or weak shells
- Tracks environment trends for process validation
- Enables batch-wise drying records for QA
- Alerts prevent unnoticed fluctuations

Result

- Fewer shell defects caused by moisture or temperature variation
- Better control over shell cycle timing
- Improved traceability and compliance