

B.7. DRYCONTROL MONITOR

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Abstract. DryControl Monitor is a software application developed in C++ using the Visual Component Library, intended for real-time monitoring of drying processes through an intuitive graphical user interface. The system provides a dedicated dialog window that displays process evolution using both a progress bar and a numerical indicator, ensuring clear visualization of the drying stage. The application integrates a process interruption feature, allowing the operator to stop the operation via a cancel command in case of unexpected situations, thus enhancing operational safety. Upon initialization, all monitoring parameters are reset to baseline values, ensuring accurate tracking of the drying cycle from its onset. The software efficiently manages user interface events and offers straightforward control over the monitored process. By enabling real-time visualization, process control, and safe interruption, DryControl Monitor improves the supervision and reliability of drying operations within industrial installations.

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Keywords: Drying process, process monitoring, C++ application, real-time control, industrial automation, process optimization, operational safety, drying installations.