

LVS-7510 AUTOEXECUTE

Omron Microscan's LVS-7510 Thermal Printer Label System provides print quality inspection and barcode verification, with integration into popular industrial thermal transfer printers. Newly added AutoExecute functionality (software v.20.2.1 and later) now allows the user to initiate the automatic import of an LVS-7510 job without the need for operator intervention.

This helps automate the processing of multiple jobs without operator interaction. External applications can be integrated with LVS-7510, such that production jobs are pushed to the monitored folder for running once the previous job has been completed.



AutoExecute Functionality

LVS-7510 monitors the contents of a specified folder and, when a zipped LVS job is copied to that file location, the LVS-7510 automatically imports the job and loads it. The system also offers the option of immediately running the job once it is loaded or allowing the operator to start the job. This functionality is available only in Production mode.

Configuration

The user must specify the folder that will be monitored by the LVS-7510 by setting a CFG (configuration) file specifying the path of the folder on the PC. The user is also required to activate AutoExecute via a configuration setting change. Optionally, the user can configure the system to determine whether or not the LVS-7510 will automatically start the job once imported or await input from the operator. Below is a table outlining the CFG file settings for AutoExecute functionality.

[AutoExecute] CFG Config Settings	Setting Format	Functionality
AutoExecuteStatus	On or Off	Reports the current runtime status of the AutoExecute functionality.
Path	String	Specifies the folder location that will be monitored
StartRunOnceImported	On or Off	Determines if the job will be automatically started once it is imported
UseAutoExecute	On or Off	Activates the AutoExecute functionality

Run Time Functionality

Once the CFG is set to use AutoExecute, the software runs in production mode and will monitor the contents of the specified folder, which, henceforth, is referred to as the "AutoExecute folder". Once a zipped job is copied to the AutoExecute folder, LVS-7510 automatically unzips and imports the job, stores it in the Production Jobs folder, loads the job and deletes the zip file from the AutoExecute folder.

If the setup has StartRunOnceImported activated, then LVS-7510 automatically starts a new run; otherwise, LVS-7510 remains on the ready screen until the operator starts the new run manually. The operator does not have the ability to manually load or import a job while AutoExecute mode is active. These buttons are grayed-out.

There is an option on the Welcome screen to activate and deactivate the AutoExecute mode via a radio button. There is also a radio button that allows LVS-7510 to be switched from automatically running upon job import, to await instructions from the operator after the job is loaded and ready to run.

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Operating Considerations

It is recommended that the AutoExecute folder be populated one job at a time and that the previous job be fully completed and closed out prior to another job being copied to the AutoExecute folder. This is to minimize any mistakes in the production process flow so that the correct labels are printed for the job loaded.

If multiple jobs are added to the AutoExecute folder in quick succession, AutoExecute functionality imports the jobs on a first-in-first-out basis. Once the first job copied to the AutoExecute folder is closed out, the job that was copied into the AutoExecute folder second is imported. The jobs queued to the printer are sent in the same order as the LVS jobs that are stored in the AutoExecute folder.

