

## WinLissy® - A Highly Flexible Software to Lead Every Workflow

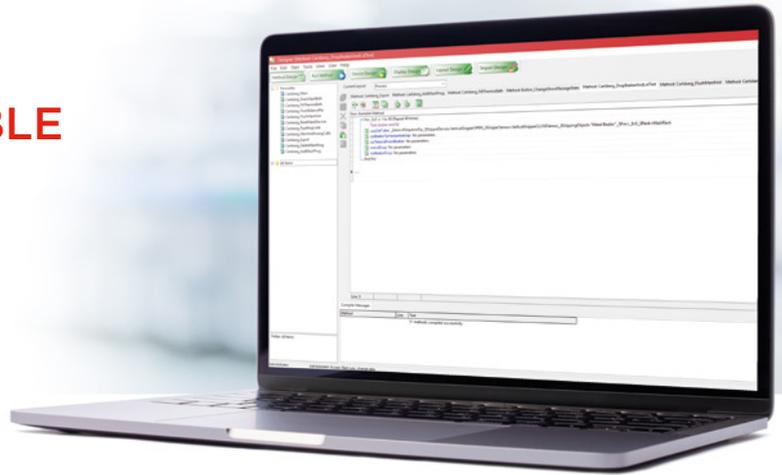
A world-class automation control and method design software by Zinsser Analytic.



Zinsser Analytic has been providing customized laboratory solutions and consumable products for almost 50 years. With unique capabilities in developing automated fluid and powder handling systems, Zinsser Analytic provides technologies for a wide range of industries, including diagnostic research, pharmaceutical, chemical, and agricultural.

## INTRODUCING WINLISSY; A POWERFUL AND FLEXIBLE LAB AUTOMATION TOOL

The top tier lab automation solutions are complemented by Zinsser Analytic's Windows-based WinLissy software. Developed and incrementally improved since 1995, WinLissy is a powerful and flexible automation control and method design software that is equipped with sophisticated liquid and powder data handling capabilities and beyond, as well as allowing you full control of your automation system. WinLissy can adapt to the most demanding lab automation requirements.



Keep in mind that WinLissy is dependent on the automated testing platform you choose, and it initially needs to be programmed to align with the platform. Our team of application engineers will assist you and do the work of adapting WinLissy to your platform. In a sense, WinLissy is always customized to your specific needs.

### WinLissy provides you with the following abilities/features:

- ✓ Intuitive User Interface.
- ✓ Able to communicate with third party devices (analyzers, chillers, etc).
- ✓ Able to import data from files and databases such as SQL, Excel, CSV, etc.
- ✓ Ability to schedule lab tests to optimize the overall process time.
- ✓ Provide customized logging of events during testing processes.
- ✓ Windows 10 compatible bringing you ease-of-use, and compatibility with ancillary programs.

WinLissy has a simple to use interface, making it easy for you and your staff to configure each step of the testing process when needed. Each process step can be designed individually to allow for a variety of unique processes depending on different samples, chemicals, and solvents. WinLissy allows you to easily set up the sample workup and solid-phase extraction system according to your requirements and processes.

## FLEXIBILITY VIA MODULAR DESIGN

WinLissy modules enhance the software package to be highly flexible. Users can start with the ZA Runner to run pre-defined methods and simulations. Advanced users can use the ZA Layouter and ZA Designer to define rack layouts and set workflows and methods for testing, respectively. The ZA Layouter and ZA Designer are typically used by our application technicians and designers to provide the best experience for our customers.

WinLissy can control specific devices and easily integrates with other software, importing files from databases and exporting results in various standardized formats like CSV, SQL, XML, and Oracle file formats.



## WINLISSY MODULES

The WinLissy software package consists of the following modules:

MODULE	DESCRIPTION
<b>ZA Runner</b>	This is your central test execution application. ZA Runner is used to execute ready-made processes in real life lab scenarios. The data used here comes from the ZA Designer and ZA Layouter; our advanced applications used to define testing data by our application engineers, and in some cases advanced users (customers). This module also features integral scheduling and allows for multiple processes to run efficiently at the same time through the use of multithreading.
<b>ZA Designer</b>	Used by our application engineers, this application is applied to create and design any workflow, diverse methods, and processes. This module also features integral scheduling and a simulation mode.
<b>ZA Layouter</b>	Used by our application engineers, this application is applied to create custom workbench layouts specific to lab devices and applications used. Layout testing and performing simulation runs are also available.

When your processes need higher flexibility than usual, the **Worklist Creator** can be used as an add-on application. The Worklist Creator allows you to create, plan, and export worklists to WinLissy for execution through simple drag and drop functionality using intuitive editors, for example, the pipetting editor, which offers an intuitive way to create pipette lists.

## EASE OF USE FOR DEMANDING PROCESS TESTING

Since every process step is designed using the different WinLissy modules, multiple workflows can run simultaneously and changes can be applied with WinLissy. The customized sequential arrangement of the process can be composed by importing a specified MS Excel file, or through the Worklist Creator. Processes can either be carried out in a batch or in a continuous sample processing, whatever your specific requirements are.

## CONTINUOUS SUPPORT

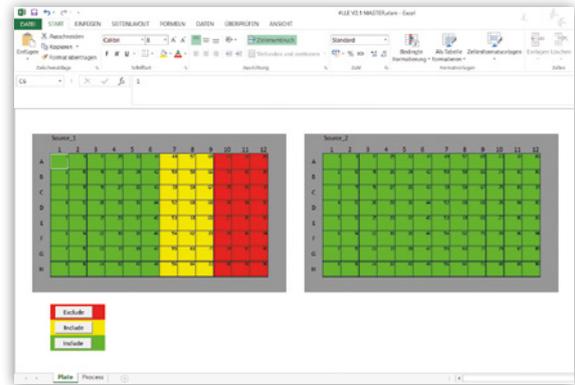
The current version of WinLissy is the result of years of improvement, incremental updates, and industry-specific needs. To provide a maintained functionality and compatibility, Zinsser Analytic fully supports WinLissy through on-going development and subsequent updates.

# USING THE SOFTWARE

## Pre-designed input files (spreadsheets)

The pre-designed spreadsheets allow you to define the sequence of process steps, testing samples as well as racks. Input files can take various forms that suit your needs, for example, spreadsheets, text files, CSV files, etc. The example below displays the usage of a spreadsheet which is most commonly used.

1	A	B	C	D	E
	Program	Step	Action	Device	Sensor
2	Carlsberg_4Steps	1	SetTemp	HuberHeat	
3	Carlsberg_4Steps	2	CheckTemp	HuberHeat	
4	Carlsberg_4Steps	3	SetTemp	HuberHeat	
5	Carlsberg_4Steps	4	Stirr		
6	Carlsberg_4Steps		SwitchSensor		
7	Carlsberg_4Steps		Stirr		Extern
8	Carlsberg_4Steps		SetTemp	HuberControl	
9	Carlsberg_4Steps		CheckTemp	HuberHeat	
10	Carlsberg_4Steps		StartTimer	HuberControl	
11	Carlsberg_4Steps		Dispense	HuberHeat	
12	Carlsberg_4Steps		WaitTimer	HuberControl	
13	Carlsberg_4Steps		Cool	HuberHeat	
14	Carlsberg_4Steps	11	StartTimer		
15	Carlsberg_4Steps	12	WaitTimer		
16	Carlsberg_4Steps	13	SwitchSensor		Intern
17	Carlsberg_4Steps	14	SetTemp	HuberControl	

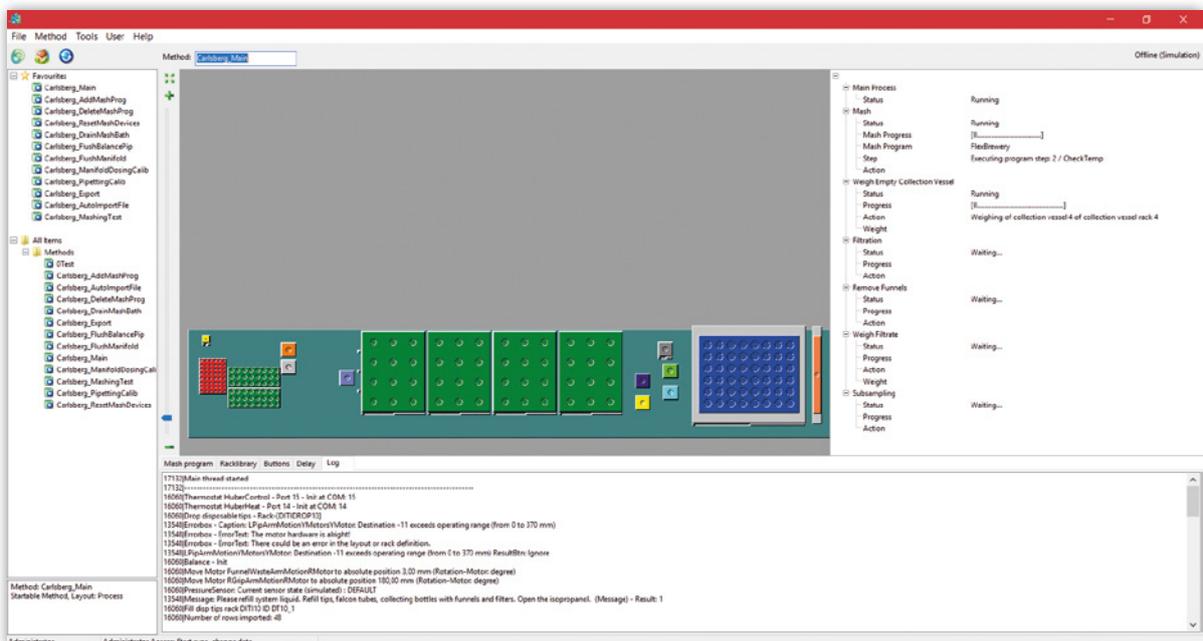


## THE ZA RUNNER – YOUR USER INTERFACE FOR EVERYDAY TESTING NEEDS

The ZA Runner module allows you to execute the methods defined through the ZA Designer and ZA Layouter (see Modules for Advanced Users). The ZA Runner is the central application that combines all the aspects of testing and allows you to view the hardware used, and testing steps, and execute your methods.

### The ZA Runner allows you to:

- Execute all predefined methods in 3 easy steps:
  1. Double-Click on the method.
  2. Click Run.
  3. Input some testing parameters, and click OK to begin the testing process.
- As the testing process is being run, you can monitor and log each step of the test.





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