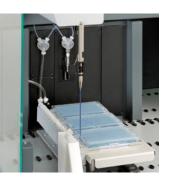




Freedom EVO® 75

State of the art compact pipetting robot

One platform: unlimited options, individual solutions



The Freedom EVO 75 is a compact liquid handling system for low to medium throughput applications. The smallest of a family of four, it shares with the larger Freedom EVO workstations the same high modularity, excellent liquid handling performance and reliability that you have come to expect from a leader in laboratory automation.

Small footprint but huge flexibility

This compact and cost effective workstation fits on a 60 cm deep lab bench. The platform's countless worktable layout possibilities and the ability to integrate devices on all sides, make it a truly open platform. The worktable is easy to configure for every new assay.

User friendly and powerful software

It takes only one day for a Tecan automation engineer to install your Freedom EVO 75 and train

you to control your instrument using pre-defined methods. The Freedom EVOware® software contains never the less all the components to assist you when your application needs expand. All the potential is built in for optimizing liquid handling parameters, customizing the user interface, integrating multiple devices or scheduling tasks. And Freedom EVOware supports your regulatory and safety requirements with multilevel user management, audit trail, electronic records and electronic signatures.

Choice of washable fixed tips or disposable tips

Unlike many robots in this class, the Freedom EVO 75 uses not only disposable tips but it also offers the option to pipette with multi-use washable tips. This option allows for significant laboratory savings on the recurring costs of disposable tips.



Not just liquid handling: the new optional robotic manipulator arm further enhances the workstation capabilities

The new robotic manipulator arm increases the functionality of the workstation by moving microplates and disposable tip racks to and from other modules such as hotels, vacuum or magnetic bead separation modules and shakers. It can also load microplates into a plate washer and into a detection instrument such as the Tecan Sunrise reader, thereby enabling fully automated plate processing.

Adaptable, scalable solutions

In all aspects of modern laboratory procedures whether genomics, proteomics, cellular biology or analytical biochemistry, the Freedom EVO 75 has the capability and capacity to work for you and evolve with you. The many versatile uses of the Freedom EVO 75 include DNA extraction, PCR setup, sample dilution, normalization and assay development.

Fully automated plate processing



Dimensions: W. 129.5 cm (34.8") x D. 70.0 cm (27.6") x H. 75.9 cm (29.9")

Fully automated plate processing

A Freedom EVO 75 workstation supplemented with a Columbus™ Pro Washer and a Sunrise™ Plate Reader on a side worktable extension becomes a fully automated plate processor. The application output is increased and the space usage is maximized by adding up to two optional hotels, for plate or tip storage, or incubators, in the rear of the worktable.



The worktable layout is freely configurable to meet your needs. For example, the worktable can hold 96 tubes of samples and controls and up to 6 assay plates on the deck.

Key Benefits:

- State of the art compact and cost effective workstation
- Excellent liquid handling performance with high reproducibility
- Tip flexibility: choice of disposable tips or cost saving washable multi-use tips
- Scalability and upgradeability ensuring investment protection and maximum resource usage.
- Easy to use software, with drag-and-drop user interface, along with pre-defined liquid handling and robotic tasks.
- Advanced process control capabilities and dynamic scheduling of multiple assays with the EVOware Plus software.
- Flexible assay set-up with the graphical interface of the optional EVOware Sample Oriented wizard.

Intended use of the product:

The Freedom EVO is an open automation platform product for general laboratory use. It is intended for routine laboratory tasks such as general purpose pipetting and general purpose liquid handling and robotic processes

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Specifications

Hardware features

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axis axis	± 0.15 mm	Z-movement and 18-mm-spacing in the Y direction.
axis	-	
	± 0.15 mm	
axis		
	± 0.3 mm	
-140 mm		
tra fast delivery of was	sh solution by diaphragm ¡	pump.
eedom EVOware Stand	dard – application develop	ment software.
eedom EVOware Plus –	- advanced process schedu	ıling capabilities
vro XP Smart diluter. (One or two diluters. One fo	or each liquid-handling channel)
/250/500/1000/250	00/5000 μΙ	
own to 50 μl of conduct	rive liquid detectable in a ro	ound bottom 96-well microplate on standard carrier
Ejection of tips in contained environment to prevent aerosol distribution; also used for tip re-racking		
er activated interlocke	ed screens prevent non-int	entional access to work area*
or photographic clarity	y, the front safety screen is	s not always shown in the pictures.
eedom EVOware offers	three password levels: op	perator, application specialist and administrator
88.1 cm (34.7") x D. 69	.6 cm (27.4") x H. 75.9 cm ((29.9")
. kg (165 lbs)		
quid handling arm	Liquid handling arm	Robotic manipulator arm
ngle arm instrument)	(Dual arm instrument)	(Dual arm instrument)
.5 cm (25.8")	54.5 cm (21.5")	54.5 cm (21.5")
.o cm (11.6")	32.0 cm (11.6")	32.0 cm (12.6")
.o cm (7.9")	20.0 cm (7.9")	24.5 cm (9.6")
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mperature 15 – 32 °C/5	9–90 °F, Relative humidity	y 30 – 80% (non condensing) at 30 °C/86 °F or below
e Freedom EVO® 75 is	CE marked	
with Microsoft Windo	ows XP SP2 Professional, 2	USB ports, SVGA monitor with 32768 colors or
ore and a minimum re	solution of 1024 x 768 pixe	els, Hard disk with 5 GB of unused space.
commended for Freed	om EVOware Plus: 3 GHz, I	Penthium 4,2 GB Ram
	wro XP Smart diluter. (/250/500/1000/250 wn to 50 µl of conduct ction of tips in contai er activated interlocke or photographic clarit edom EVOware offers 88.1 cm (34.7") x D. 69 kg (165 lbs) uid handling arm ngle arm instrument) 5 cm (25.8") o cm (11.6") o cm (7.9") wer: 570 VA, Voltage 10 mperature 15—32 °C/5 e Freedom EVO® 75 is with Microsoft Windo ore and a minimum re nimum for Freedom E	ction of tips in contained environment to prevere activated interlocked screens prevent non-interpretation provided interlocked screens in provided interpretation provided interlocked in

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