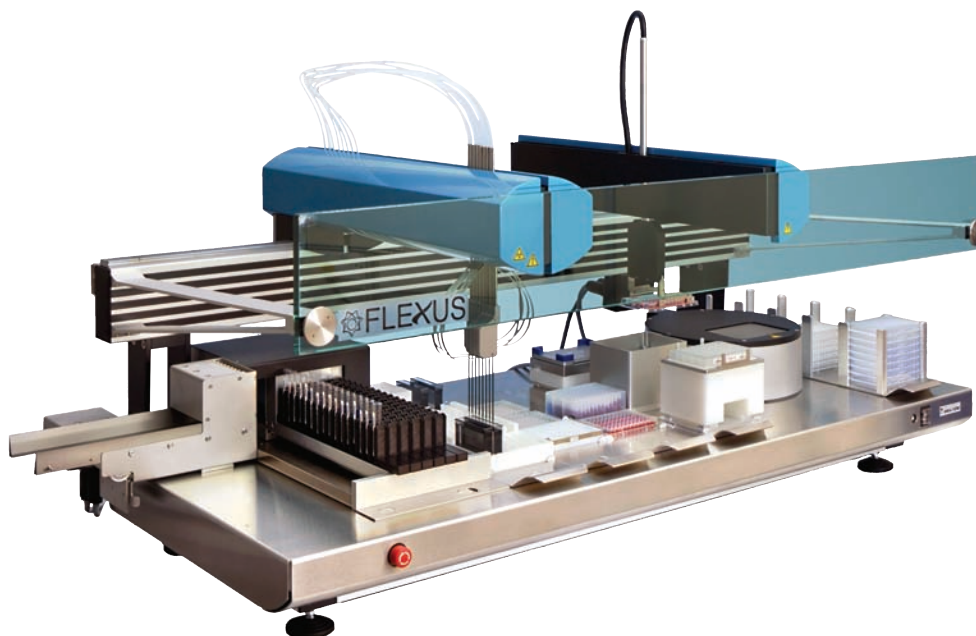




ANACHEM

FLEXUS

Flexus 100/150/200



The Flexus product line is a flexible, modular pipetting system designed for today's applications with full upgradeability for your future needs. It facilitates an extensive range of applications, without compromising the ease-of-use you demand and enables complete walk away automation.

<i>Features</i>	<i>Benefits</i>
Removable deck trays	Enables you to change your applications with minimum disruption to your workflow.
Flexi-span pipetting probes	Allows rapid cherry picking and reformatting.
Choice of deck size	Either 1.0, 1.5 or 2.0m lengths available depending on your throughput.
2 robotic arms	Each arm can accommodate up to 8 probes or a gripper, giving your application ultimate speed and flexibility.
Disposable or washable probes	Or a combination of both minimises consumable costs, but gives you the options for zero carry over.
Liquid level and clot detection	Ensures assay integrity with every run.
Plate and tube grippers	Provides manipulation of components on and off the bed utilizing a 270° rotation.
Syringeless pumping system	Supplies a wide dynamic volume range (1µl to 2ml) and has extremely low maintenance requirements. Alternative pumps capable of up to 50ml via constant pumping.
Bar code reader	For both tubes and plates ensuring secure sample tracking.
Simple integration of peripheral devices	Increases the capabilities of the Flexus platform allowing you to perform even the most complex routines without user intervention.

Specifications

Carry over	Washable: Down to 10^{-7} with sufficient washing Disposable tip: Zero
Liquid/Clot detection	Capacitance
Liquid handling	Precision: <2% CV at 10 μ l
Pump	Housed in the arm are individual micro-annular wheel pumps
Tip wash	Active tip wash station can be fitted anywhere on the deck
Tip design	Washable: Optimized for precision and minimal carry-over, various coatings available Disposable: 20, 250 and 1000 μ l with one adapter to fit all types
Flexispan	Minimum equal spacing between tips 9 mm Maximum equal spacing of tips 55 mm Maximum single spacing 350 mm
Volumes	1 μ l - 2 ml. Higher volumes possible
Force in Z-direction	30 N
Arm force	240 N at the far end
Gripper capacity	Maximum lifting weight is 3 kg
Positional accuracy	+/- 0.2 mm (i.e. 384 well plate)
Z-travel range	150 mm
Power requirements	Self regulating power supply 110 – 240 V AC, 50/60 Hz, 500 VA
Operating Conditions	Temperature: 15°C to 30°C / 60°F to 85°F Relative humidity: 10-85% at 30°C / 85°F or below
Communication	Plug and Play modules simplify the composition of an application system. RS232, multiple I/O ports, and a CAN bus facilitate systems integration.
Manufacturing Standards	Flexus is designed for IEC 1010 compliance and bears the CE mark

	<i>Flexus 100</i>	<i>Flexus 150</i>	<i>Flexus 200</i>
Capacity	5 trays ^s = 25 locations	9 trays ^s = 45 locations	13 trays ^s = 65 locations
Instrument Dimensions (w x d x h) in mm	44 0H / 100 960 x 724 x 855* (900)	44 0H / 150 1488 x 724 x 855* (900)	44 0H / 200 2040 x 724 x 855* (900)
Instrument weight kg	approx. 95 kg	approx. 140 kg	approx. 160 kg
Shipping weight kg	approx. 120 kg	approx. 170 kg	approx. 200 kg

^s A deck tray contains 5 locations. Each location can hold 1 stack of 10 microplates, 1 disposable tip box, a single plate shaker or 96 tubes etc.

* The first height value is measured from the top of the handler Z-rack to the table; the second value (in brackets) is the approximate height including the pipetting tubing.