

Xps-721

— 24-Channel Total Pipetting Solution.

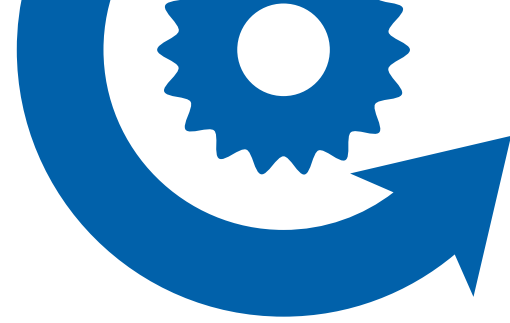
The **xps-721** offers 24-channel high performance pipetting that is ideal for serial dilution applications and multichannel microplate pipetting. The microprocessor-controlled pipetting mechanism provides accurate and precise pipetting of microliter or sub-microliter volumes of samples into 96, 384, or 1536-well microplates using 8, 12, 16 or 24 channel pipetting heads.



- Flexible design for serial dilutions by row or column and can also be used for reagent addition and sample transfer for 96, 384, and 1536-well microplates.
- Uses an unique easy-change head system, allowing the user to build a diverse head library with a minimal investment. The heads are interchangeable with other xps-721 and xpp-721 pipettors.
- The 6-position deck is user-configurable for portrait or landscape orientation to allow serial dilutions by row or column.
- Automatic disposable tip loading and unloading. The disposable tip loading location is accessible by robotics for expanded capacity.
- Intuitive graphical user interface via serial interface control.
- Small footprint conserves bench space and fits easily into suitably-sized hoods.

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24-Channel Total Pipetting Solution



The xps-721 represents a new generation of affordable liquid handling systems with the versatility and reliability required for today's demanding laboratory environment.

Combined with innovative Externally Sealed Pipette (ESP) tips, the xps-721 pipetting system surpasses its competition in terms of application diversity and reliability. This powerful pipettor has a compact size that easily fits on laboratory benches and can also be placed in suitable laboratory hoods.

The xps-721 uses an unique head design. High-precision manufacturing processes are used to produce low cost heads that are independent of the pipetting mechanism.

This pipettor electronically loads and unloads pipetting heads in seconds, allowing simple and easy set-up.

The xps-721 will automatically index the pipetting head as necessary for accessing 384-well or 1526-well plates. When using disposable tip heads, the required number of tips can be automatically loaded.

OPTIONS

- Fixed tip heads with 8, 12, 16 and 24 channels.
- Disposable tip heads with 16 or 24 channels for ESP tips or Biomek® FX tips for 12 channels (xps-721 automatically loads the correct number of tips for portrait operations).
- Optional tip washing system with recirculating pump.

APPLICATIONS

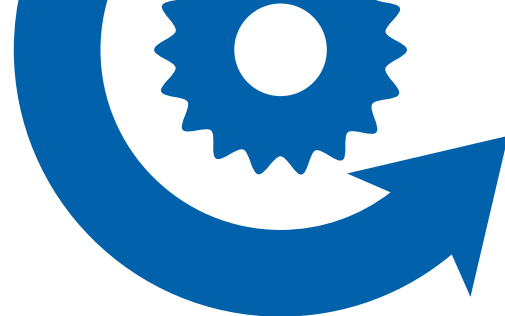
- Serial dilution (by row or column)
- Plate replication
- Plate reformatting
- Reagent addition
- Compound addition

AUTOMATION

- The open deck design makes it easy to use robotics to supply labware and disposable tips.
- The xps-721 can be integrated as part of an automation workcell.



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ACCESSORIES

Fixed Tip Heads. All fixed tip heads feature stainless steel tips with PTFE coating on inside and outside and have an internal diameter of 58mm.

Part No.	No. of Channels	Max. Vol. per Tip (ul)	Plate Compatibility	Serial Dilution
30-2004	24	125	384,1536*	Rows only
	24	25	384,1536*	Rows only
30-2003	16	125	384,1536*	Columns only
	16	25	384,1536*	Columns only
30-2009	12	125	96, 384*	Rows only
30-2008	8	125	96, 384*	Columns only
	12 (2-in-1)	250	96, 384*	Rows only
	8 (2-in-1)	250	96, 384*	Columns only

* The xps-721 will automatically position the tips for these plates.

Disposable Tip Heads

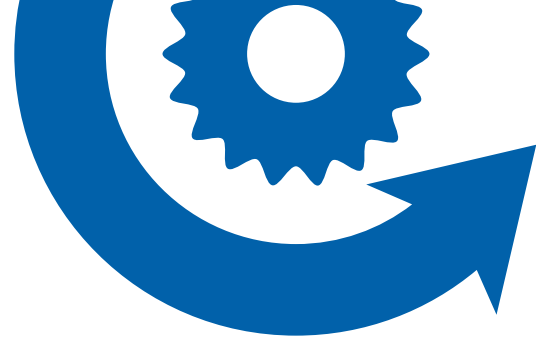
Part No.	Compatible Tips	No. of Channels	Max. Vol. per Tip (ul)	Plate Compatibility	Serial Dilution
30-1003	ESP 50ul & 125ul	24	125	384,1536*	Rows or columns**
30-1007	ESP 50ul & 125ul	12 (offset)	125	96, 384*	Rows or columns**

* The xps-721 will automatically position the tips for these plates.

** The xps-721 will automatically load the correct number of tips for serial dilution by either row or column

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Specifications

Dispensing Precision	<2% CV at 1ul
Dispensing Accuracy	+/- 1% at 5ul
Resolution	0.1ul
Pipette Volume	0.5 - 250ul
Dimensions	585L x 535W x 585H mm
Weight	Approx. 55 kg
Power	100 to 240 VAC, 50/60 HZ
Operating Temperature	10 - 38 °C
Warranty	12-month extensive manufacturer warranty Extended 12-month warranty and Annual Service plan are also available.



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