

4DXW Autosampler

High-capacity autosampler with RidingRinse mobile rinse station



High-Capacity

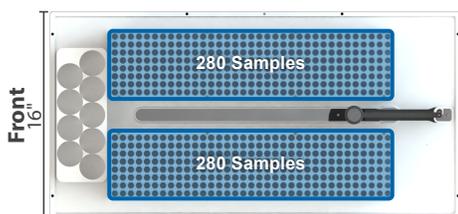
- Up to 560 samples—more capacity than a 6-rack autosampler
- Narrower width than a 4-rack autosampler, but with 55% higher capacity
- Compatible with ICP and ICPMS systems

High-Performance

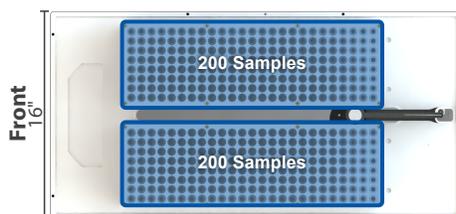
- RidingRinse moves with autosampler carriage, providing fast (<0.5 s) rinse access
 - Eliminates autosampler translation movement
- Throughput boosted when paired with FASTFluidic FilterProbe or prepFAST
 - FASTFluidic FilterProbe: Valve injection with syringe-driven backflush
 - prepFAST 3: Inline autodilution and autocalibration with syringe-driven backflush

4DXW Autosampler Capacities

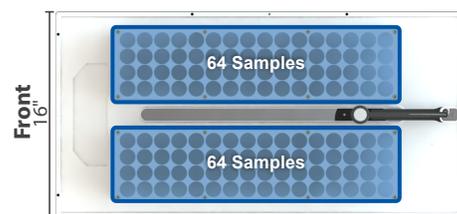
- 4DXW Autosampler is compatible with both conventional racks and high-capacity slide-in racks.



560 (8 mL) Sample Capacity



400 (15 mL) Sample Capacity



128 (50 mL) Sample Capacity

4DXW Autosampler Features Diagram

Riding Rinse

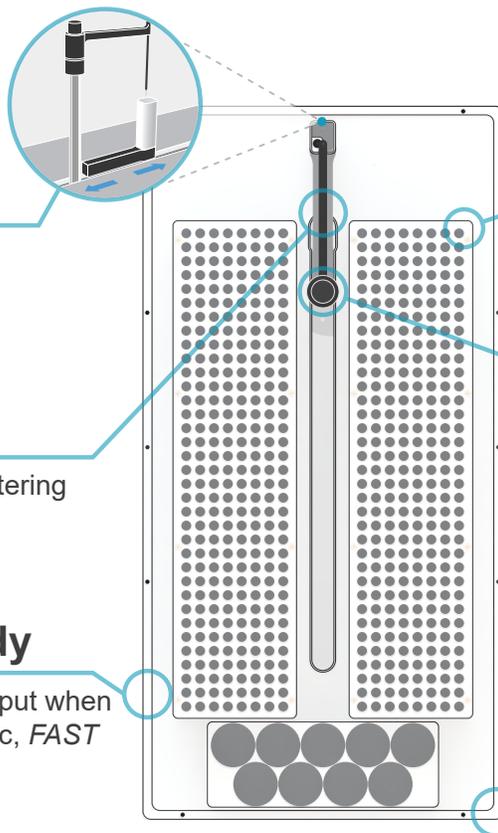
- Rinse station moves with autosampler carriage
- Minimizes translational autosampler movement

AutoAlign Arm

- Self-realigns after encountering capped sample tube
- Metal-free fluoropolymer probe aligner

Automation Ready

- Further increases throughput when combined with FASTFluidic, FAST and prepFAST 3 systems



Slide-in Racks

- Sample capacity up to 560 (8 mL) samples

Autocorrecting X-Y-Z

- Automatically goes to the correct position after obstruction
- Retries position if an obstacle is encountered & reports unmoved obstruction

Compact Footprint

- Fractionally larger footprint than conventional 4-rack autosampler with 55% greater sample capacity

Vial Size (mL)	Rack Type	Rack Part Number	Rack Quantity	Total Sample Capacity	Capacity Improvement vs. Conventional 4-Rack (%)	Capacity Improvement vs. 6-Rack (%)
8	Slide-in	RXWS280	2	560	+56%	+4%
15	Slide-in	RXWS200	2	400	+67%	+11%
50	Slide-in	RXWS64	2	128	+52%	+2%
8	Conventional	LR-90	4	360	-	-
15	Conventional	LR-60	4	240	-	-
50	Conventional	LR-21	4	84	-	-

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