

SC-8 DX FAST High Capacity Autosampler



ESI introduces the SC-8 DX autosampler a durable, integrated automation system with fully expandable hardware and software supporting inorganic and organic applications. It has dual flowing rinse stations and is ideal for labs with high sample throughput needs.

The SC-8 DX system configurations range from a basic, easy-to-use, high-performance autosampler to a complete, on-line sample preparation system.

Benefits

- **Durable** – Long life components for enhanced chemical resistance
- **Productive** – Improves speed and data quality
- **Flexible Software Interface**
- **~3s Speed (sample to rinse)**

Dimensions and Weight

- Height: 1162mm (45¾" max height)
- Width: 813mm (32")
- Depth: 559mm (22")
- Weight: 41kg (100 lbs.)

Power Requirements

- 24 V DC switching power supply, 6 A (included)
- Input power: 100-240 VAC ± 10%, 50-60 Hz

Electrical Connections

- RS-232 with USB and IEEE-488 options.
- 3 External Switches In/Out

Includes:

- FAST valve
- PFA-ST microflow nebulizer
- 2 Sample probes
- 15mL Sample vials (60 ea)
- Standards rack (10 pos)
- 4 large racks (21, 40, 60, 90 pos)
- 50mL Standards vials (40 ea)
- Spray chamber and sapphire injector
(Complete system only)



SC-8 DX Autosampler with Dual Flowing Rinse

ICP Applications



Geochemistry
geoFAST
prepFAST



Clinical
SC-FAST
microFAST MS



Soil Monitoring
soilFAST



Wear Metals in Oil
oilFAST DINFAST
microFAST OS



Environmental
SC-FAST apexFAST
seaFAST chromFAST

SC-DX Functions

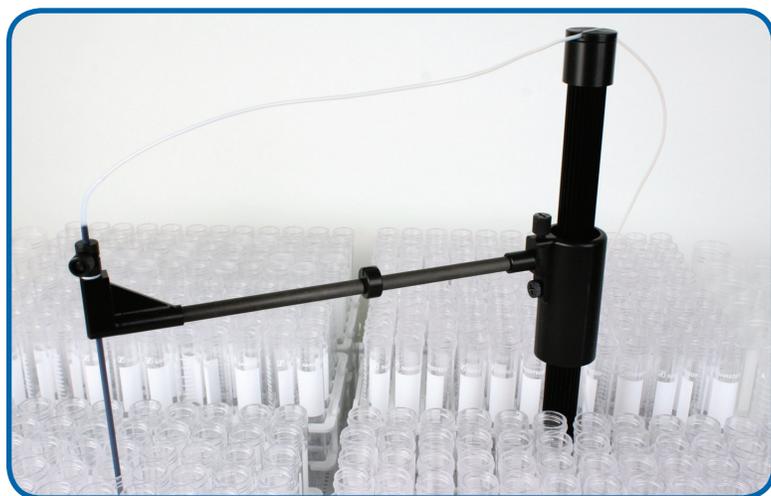


FAST System
SC-FAST
SC-FAST_{DL}



High Throughput

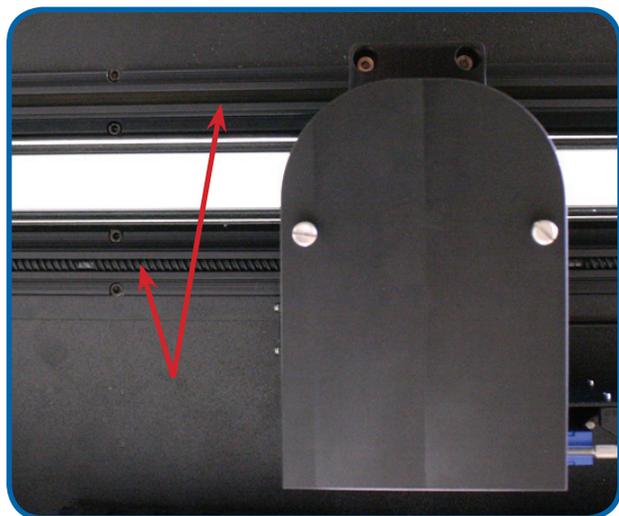
Part Number	Description
8DXF-C	SC-8 DX FAST Complete system
8DXF-A	SC-8 DX FAST Basic system



Rigid reset probe ensures no bent probes and accuracy for small sample vials.



Teflon Coated C6 Carriage with 360 Cap - Ridged vertical column facilitates precise movement

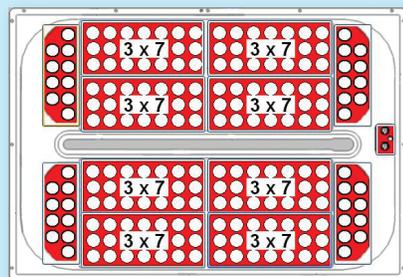


Teflon Coated Dual X-Rails

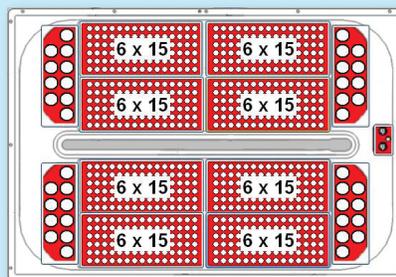
Configuration Options

- 8 large racks or up to 16 microtiter plates in optional configuration; custom racks also available
- Up to 40 standards/QC solutions (50mL vials)
- 0, 1, 2 or 3 high-purity injection valves
- 0, 1, or 2 MP² micro peristaltic pumps
- 0, 1, or 2 SYRIX syringe pumps

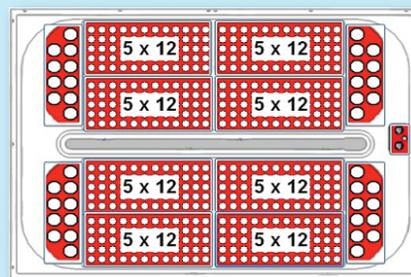
Examples of Rack Configurations



168 50mL Sample Vials



720 12mL Sample Vials



480 15mL Sample Vials