

# SC-14 DX FAST High Capacity Autosampler



ESI introduces the SC-14 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-14 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: 1168mm (46")
- Depth: 615mm (21.5")
- Weight: 50kg (110 lbs.)

## Power Requirements

- 24 V DC switching power supply, 6 A (included)
- Input power: 100-240 VAC  $\pm$  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)
- 4 large racks (21, 40, 60, 90 pos)
- Standards rack (10 pos)
- 50mL Standards vials (10 ea)
- Spray chamber and sapphire injector  
(Complete system only)



SC-14 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

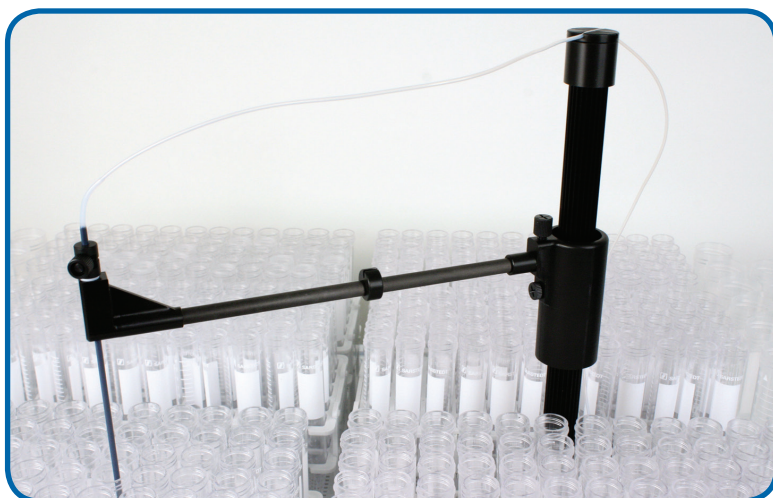


**FAST System**  
SC-FAST  
SC-FAST<sub>DL</sub>



**High Throughput**

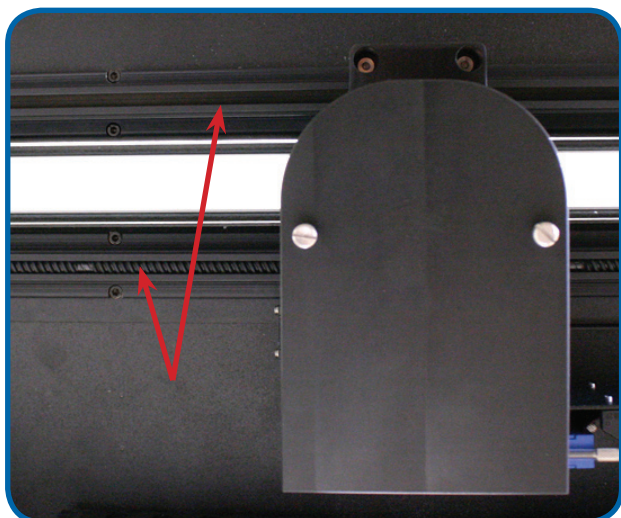
Part Number	Description
14DXF-C	SC-14 DX FAST Complete system
14DXF-A	SC-14 DX FAST Basic system



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

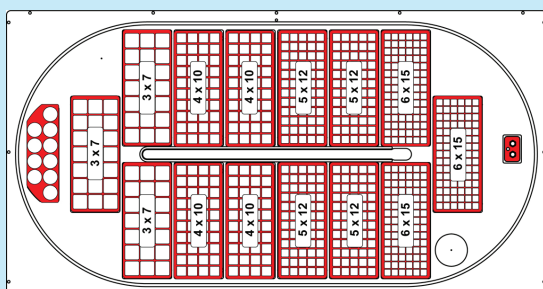


Teflon Coated Dual X-Rails

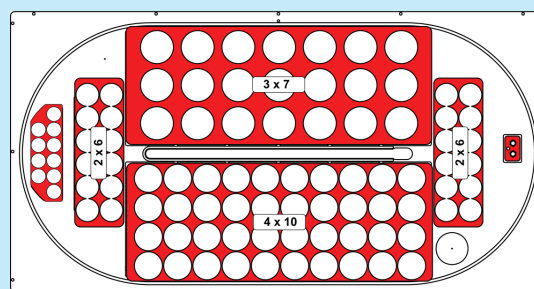
## Configuration Options

- 14 large racks; 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 MP<sup>2</sup> micro peristaltic pumps
- 0, 1, or 2 SYRIX syringe pumps

## Examples of Rack Configurations



Large Rack Optional Configurations



Super Rack Optional Configurations