

ASX-112FR

Micro Autosampler



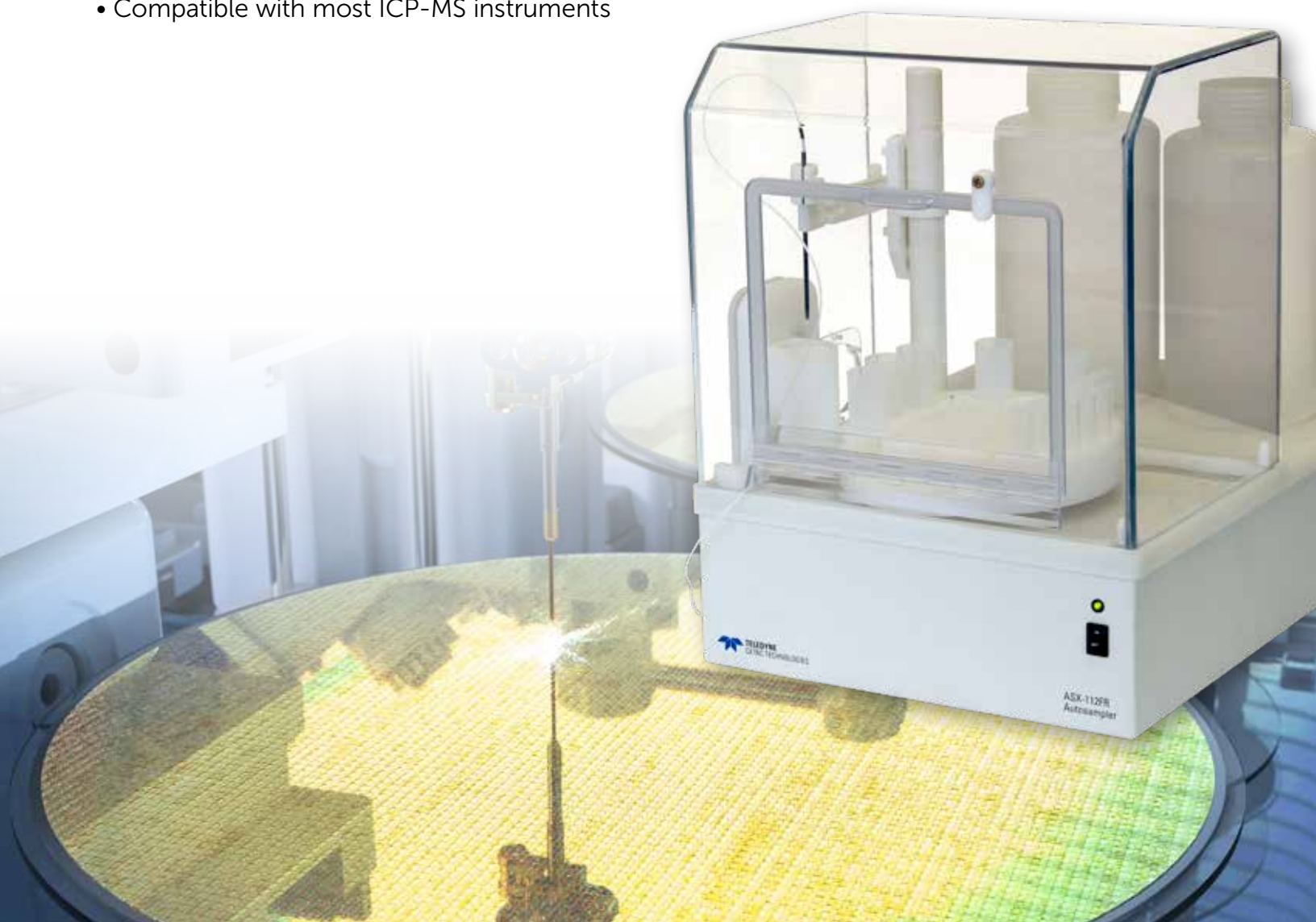
AUTOMATION

ASX-112FR Micro Autosampler

The ASX-112FR Flowing Rinse Carousel Micro Autosampler features a dual flowing rinse station, compact size, and a protective enclosure for small volume sample introduction in an ultra-clean environment.

Additional Features and Benefits

- Dual-flowing rinse station to prevent sample contamination
- Integrated enclosure protects sample tray
- All wetted parts made from inert materials
- PFA sample path for ultra-trace applications in geochemistry and semiconductors
- Short sample path conserves limited sample
- Compact design for standalone use or with CETAC Aridus3 Desolvating Nebulizer System
- Multiple (5) sample rack options
- Compatible with most ICP-MS instruments



Compact

Space Saving Design: The compact footprint of the ASX-112FR enables placement next to the host ICP-MS instrument for maximum conservation of valuable laboratory bench space. In addition, the ASX 112FR is designed to stack directly atop the CETAC Aridus3 Desolvating Nebulizer to further conserve laboratory bench space.

Maintain Sample Integrity

Dual Flowing Rinse: The ASX-112FR utilizes a dual flowing rinse station, operable in peristaltic pump mode or optional gas displacement pump (GDP) mode. The dual flowing rinse minimizes sample contamination and carryover.

Contamination Resistant: All sample vials, racks, and the carousel tray are constructed of metal-free, acid resistant, high-purity polymeric materials. In addition, the ASX-112FR has an integrated enclosure to minimize contamination from the outside laboratory environment.

Flexible

Rack Options: The ASX-112FR accommodates rack configurations allowing operation with sample volumes as low as 500 µl up to 14 ml. The short style sample racks (0.5 ml to 2.0 ml) can accommodate 24, 48, or 96 sample vials; the tall style racks can hold 30 (14 ml) or 42 (7 ml) sample vials.

Sample Probes: Sample probes (3) are available as individual probes or integrated into the CFlow PFA nebulizer; probes are made of inert materials with an encapsulated carbon fiber support.



24 position sample rack for 1.5 mL PFA vials

Convenient

Easy Access: The sample racks and vials racks can be easily accessed through a hinged door in the anti-contamination enclosure or by removing the entire enclosure.

Compatibility: The ASX-112FR is compatible with many ICP-MS instruments, including multi-collector ICP-MS types used in geochemistry.



ASX-112FR with Aridus 3

Technical Specifications

Dimensions

Height	50.8 cm (20")
Width	33.4 cm (13.1")
Depth	42.9 cm (16.9")
Weight	14.1 kg (31 lbs)

Dual Flowing Rinse Station

Peristaltic Pump or Gas Displacement Pump

Sample Tray

Carousel type with one central sample vial rack

Standard Vials

5 positions (20 mL PFA vial);
9 positions (4 mL PFA vial)

Sample Rack Options

CETAC racks – 24, 48, and 96 positions
Bel-Art style racks – 30 and 42 positions

Sample Vial Options

1.5 mL PFA or 2.0 mL PP vials for 24 position rack
0.5 mL PP or PFA vials for 48 position rack
1.0 mL PP vials for 96 position rack
7 mL PP vials for 42 position rack
14 mL PP vials for 30 position rack

Computer/Hardware Interface

USB, RS-232

Power Requirements

100 - 240 VAC $\pm$ 10%, 50/60 Hz

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