



ASX-8000

OEM Autosampler

VERSATILE OEM WORKSTATION

CETAC AUTOMATION



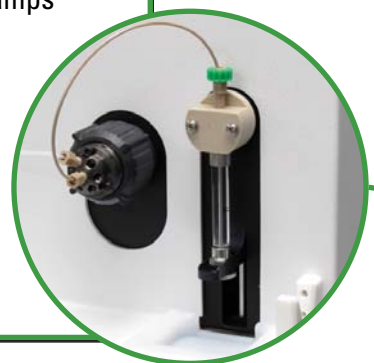
ASX-8000 OEM AUTOSAMPLER

The ASX-8000 Autosampler is a small footprint, versatile workstation which combines features from a variety of automation techniques. This flexible, highly-customizable XYZ platform can be applied to a wide range of OEM applications, including HPLC, UHPLC, Nano-LC, LC-MS, fraction collection, micro-sampling, buffer exchange, sample chemistry and more.

The ASX-8000 platform is designed to be configured to your specific needs. CETAC can incorporate components such as valves or syringe pumps we currently offer, or from a preferred manufacturer—whichever your application requires. Here are just some of the options available to make the ASX-8000 platform the perfect fit for your application.

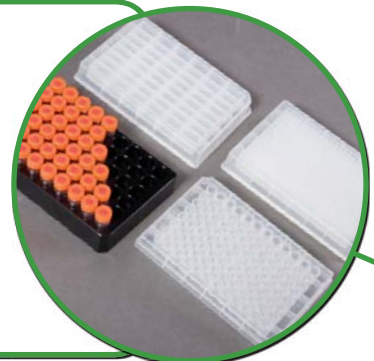
SYRINGE PUMPS

- Accommodates from 1 to 3 syringe pumps
- Wide range of available syringe sizes from 25 μ L to 5000 μ L
- High-pressure syringe option for on-line trap loading and high-pressure applications
- Use a solvent selection valve for selecting up to 4 rinse/wash solvents



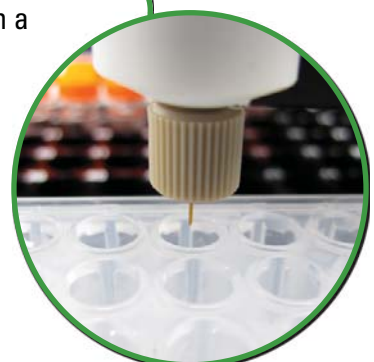
RACK OPTIONS

- Up to 108x 2 mL vials
- 96-well shallow and deep well plates
- 384 well plates
- Custom racks available
- 4x 16 mL vials for additional solvents
- Peltier cooling and heating



FRACTION COLLECTION

- Autosampler and fraction collector on a single platform
- Ideal for small volume fraction collection
- Allows for multi-dimensional chromatography
- Ideal for on-line fraction collection onto microplates or MALDI spotting applications



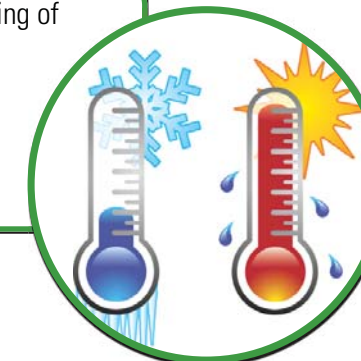
RINSE OPTIONS

- Up to 4 rinse/wash solvents
- Active rinse option available



TEMPERATURE CONTROL

- Independent Peltier cooling and/or heating of sample trays
- From 1 $^{\circ}$ C to 70 $^{\circ}$ C with an accuracy of \pm 0.5 $^{\circ}$ C
- Computer controlled



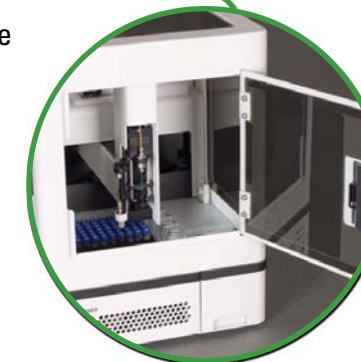
SAMPLE INJECTION

- Direct sample injection to save valuable sample and reduce carryover
- Aspirate a user-defined aliquot of sample and directly inject into sample loop
- A variety of sample loop sizes available
- Choose from standard HPLC valve to UPLC valve (15,000 psi)
- Supports Rheodyne, Valoco and others



CLEAN AND VERSATILE

- Easy access to valves, sample racks and syringes
- Removable cover with doors to protect samples from contamination
- Small footprint requires less bench space
- Easy to place in a fume hood



POWER
TEMP
LOAD
DRAIN

Technical Specifications

Minimum Injection

0.01 µl (0.1 µl recommended)

Injection Range

0.01 – 5000 µl (0.01 µl increments)

Syringes Available

25 µl and 100 µl STD (12.5, 50, 125, 250, 1000, 2500, 5000 available)

Injection Precision:

Low Volume (25 µl syringe)	Standard (100 µl syringe)
< 0.5% from 1-5 µl	< 0.5% from 5-100 µl
< 0.3% from 5-25 µl	< 1% from 1-5 µl

Sample Carryover

< 0.004%

Sample Viscosity

0.2-10cP (with Standard Push Injection)

Injection Cycle Time

<30 seconds

Customization

The ASX-8000 autosampler platform is designed for maximum flexibility. All technical specifications are subject to change based on customer requested parameters. Contact your CETAC representative or visit cetac.com/automation/oem_services for further information.

Injection Valves

Up to 1000 Bar, Rheodyne and Valco supported, Others Available

Rack Options

2 x SBS Microtiter Plates (384, 96, 96-deep) plus 4 x 16 ml vials

Rack VT54 – 108 x 2 ml vials plus 4 x 16 mL vials
Custom Racks Available

Sample Thermostatting

1 – 70 °C available

Dimensions (H x W x D)

33 cm (13") x 45.7 cm (18") x 53.3 cm (21")

Communications

USB	4–8 Input/Output
Ethernet	Custom Communications
RS-232	

Software Control Interfaces

Thermo Fisher Xcalibur
ABI/SCIEX Analyst
Michrom Paradigm
Bruker HyStar

