

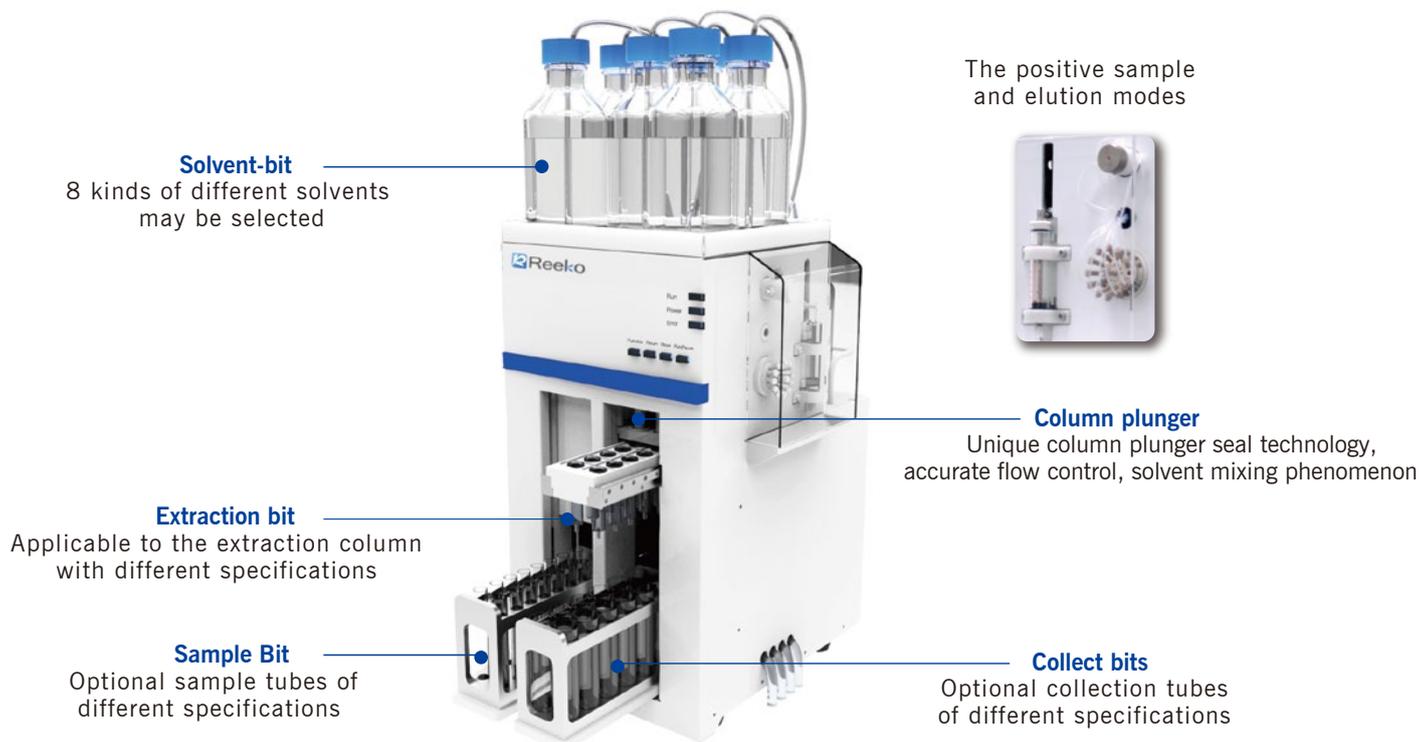


# **Fotector-02HT**

## **High-throughput Automated Solid-phase Extraction**

## Product Overview

**Fotector-02HT** is designed for large current laboratory samples, laboratory operator less, require high degree of automation and the design of a high-throughput automated solid-phase extraction system, mainly used in food, beverage, blood, urine, soil, water samples and other samples of trace organics extract extraction and purification. Fotector-02HT can be used to analyze the field of pesticide residues, veterinary drug residues, food additives, judicial inspection, pharmaceutical and biological samples, etc., is a gas, liquid chromatography or mass spectrometry ideal sample pre-treatment systems.



**Fotector-02HT** can in the case of unattended, automatic continuous processing 16 or more samples, the module can be extended after extended it can automatically continuous processing more than 256 samples, the whole process does not require any human intervention (including replacement of samples and SPE column), fully meet the requirements of a fully automated high throughput.

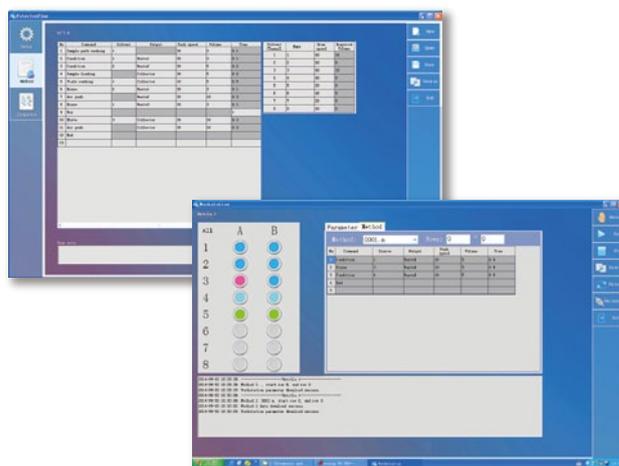


## System characteristics and advantages

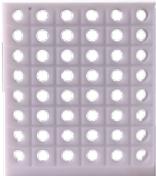
Features	Advantages
2 channels simultaneously for activation, sample entry, rinse, dry, elution	Channels can be extended, expandable up to 32 channels
Using two high-precision syringe pumps	Accurate control of the liquid flow rate in each step with high accuracy and high reproducibility
Unique column plunger seal technology	The plunger close to the SPE column packing. The liquid flow rate setting is as same as the actual liquid flow through the SPE column, to avoid the solvent are mixed, and ensuring Recovery of the sample and Parallelism
Fit to various sizes of SPE column	Applicable 1mL, 3mL, 6mL, 12mL extraction columns of different manufacturers, to meet different application requirements
Optional sample tubes for variety of specifications	20mL, 80mL etc
Optional collect tubes for variety of specifications	15mL, 60mL etc
Column with a string function	Purification meet the requirements of complex sample matrix

## Performance indicators

- Functional requirements: for food, beverage, water, blood, urine and soil samples' trace organic extraction under liquid, solid or semi-solid sample phases, especially the analysis of trace organic compounds in food. It is the best sample preparation device for GC, LC and GC/MS analysis. It fully automates the entire process of solid-phase extraction (column activation, Sample loading, rinsing, drying and elution collect).
- Uses two high-precision syringe pumps to achieve six channels simultaneously for activation, sample loading and the elution.
- Continuous automatic processing of 16 samples, expanded to 32 channels can be continuously and automatically handle 256 samples, the whole process without human intervention.
- Applicable extraction column: 1ml, 3ml, 6ml and 12ml etc.
- 8 kinds of organic solvents are available for activation, rinsing, elution, and can automatically clean the tubes.
- Column with a string function.
- With automatic nitrogen purge function, dries SPE column on line. In addition, a separate external nitrogen + three-way valve switch to ensure a constant flow rate and continuity, good drying effect.
- Pressure (N<sub>2</sub>) Input: maximum 100 psi; Output: 0 - 20 psi
- Waste separation: waste collection has three channels can collect the aqueous waste, organic waste and chlorine related other organic waste separately.
- Materials contact with solvent: stainless steel, Teflon or PEEK.
- Software  
Windows-based operating system control software, easy to understand, you can display the working status in real time, allowing the operator at a glance.



## Order informations

	Accessories	DESCRIPTION	PART NUMBER
	Rack for 48 test tubes	Accommodates 20ml Sample tube or 15ml collection tube	1002-001-01
	Rack for 36 test tubes	Accommodates 80ml Sample tube or 60ml collection tube	1002-001-02
	1ml column rack for 48 SPE cartridge		1002-001-04
	3ml column rack for 48 SPE cartridge		1002-001-05
	6ml column rack for 48 SPE cartridge		1002-001-06
	12ml column rack for 48 SPE cartridge		1002-001-07
	20ml column rack for 36 SPE cartridge		1002-001-07
	1ml cartridge studdle		1002-001-14
	3ml cartridge studdle		1002-001-15
	6ml cartridge studdle		1002-001-16
	12ml cartridge studdle		1002-001-17
	20ml cartridge studdle		1002-001-18
	Oring for 1mL plunger lever		100-001-58
	Oring for 3mL plunger lever		100-001-35
	Oring for 6mL plunger lever		100-001-34
	Oring for 12mL plunger lever		100-001-72
	Oring for 20mL plunger lever		1002-001-27



Add: The 3202 Longmire Dr. College Station, TX 77840, USA

Tel: (951) 200-5242

Fax: (979) 217-4167