

Innovations driven to Pittcon 2012

HT3000A series reinvent Gas Chromatography!

No relevant progresses in GC autosampler technology have been introduced since many years. At Pittcon 2012 HTA introduces a new GC autosampler line that will reinvent the market: HT3100A (autoinjector), HT3000A (autosampler) and HT3200A (top-class autosampler). Innovative functionalities, easiness of use and extraordinary performance distinguish these new autosamplers and make them at the forefront in GC autosampler market.

HT3000A is a **very compact autosampler** (no requirement for additional bench space vs. GC) while offering remarkable sample capacity: 121 positions for 2ml vials are available in the standard version.

It is the **first autosampler in the world featuring a touch screen display** that provides easier system accessibility and usability, simplifying instrument control, also by inexperienced users.

HT3200A represents the top-class autosampler because of its exclusive and outstanding features.

First of all it can handle up to its 209 2mL sample vials representing the perfect choice for high productivity lab and Fast GC applications.

Besides it features the innovative **SyringeID**, a proprietary technology based on RFID tags. SyringeID is able to identify syringes in an univocal way: thereof it prevents errors when mounting a syringe and keeps track of the syringe consumption.

Finally **integrated Bar Code Reader (BCR)** can come with every HT3200A unit, offering you full and detailed sample tracking.

HT3100A autoinjector offers automation for processing up to 15 samples, so it represents the ideal solution for labs that run small sample batches and care about reproducibility and reliability.

Quick set of autosampler parameters can be done by the free PC control (HTA Autosampler Manager) provided along with HT3100A, while all the routine operations can be managed by its dedicated keypad. To run the analysis, simply push the START button and all the samples in your rack will be automatically processed, without the need for further assistance by the operator.

All the HT3000A series autosamplers fit all GC and GC/MS systems available on the market, more or less recent models, regardless of the GC brand. They can be configured serving up to two injectors, with only one tower, in the most of the supported GCs. Furthermore they can be easily moved between GCs, also of different brands, when the workload changes.

Moreover, thanks to their versatility, they can use different kind of syringes with volume from 500 nanoliters to 100 microliters, to suit all applications.

In fact they can handle all the sampling techniques, even the most sophisticated: internal standard technique (also known as sandwich injection), multi-phase, ambient headspace, priority injection, nanoliter injection and much more.

They are also provided with an **outstanding solvent capacity (new record for the category)** allowing longer unattended operations and offering double wash step capability for superior analytical performance (carry-over adverse!).

Finally these new HTA autosamplers are the **fastest liquid autosamplers available on the market**: the injection is performed in less than 100ms. As our competitors say "Fast-injection technology ensures the best possible peak shape, while maximizing the accuracy of your results".

About HTA

HTA s.r.l. is a leading italian engineering and manufacturing company in the business of scientific instrumentation to laboratories, since 20 years. We are committed to pursue technical leadership, quality and service as key factors to succeed together with our customers.

Passionate for robotics to handle samples from preparation to storage, we offer a wide range of products:

GC Autosamplers - Autosamplers for Gas Chromatography - liquid, head space, SPME - that fit every GCs, more or less recent, regardless of the GC brand.

HPLC Autosamplers - Autosamplers for Liquid Chromatography: HPLC, UHPLC, NanoLC autosamplers and automatic stations for online sample preparation.

Plate Handler Robots - Plate Handler Robot and Automatic Sample Changer for life science applications to handle microplates and various other sample supports.

Universal Preparative Stations - Solutions for automatic sample preparation.

OEM Services - Since 1990, HTA offers its design and manufacturing services for OEM customers. We can provide the desired solution by developing a new product ex novo or based on the wide range of robotic platforms and sampling systems already developed.

Visit us to learn more at booth 3212!

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