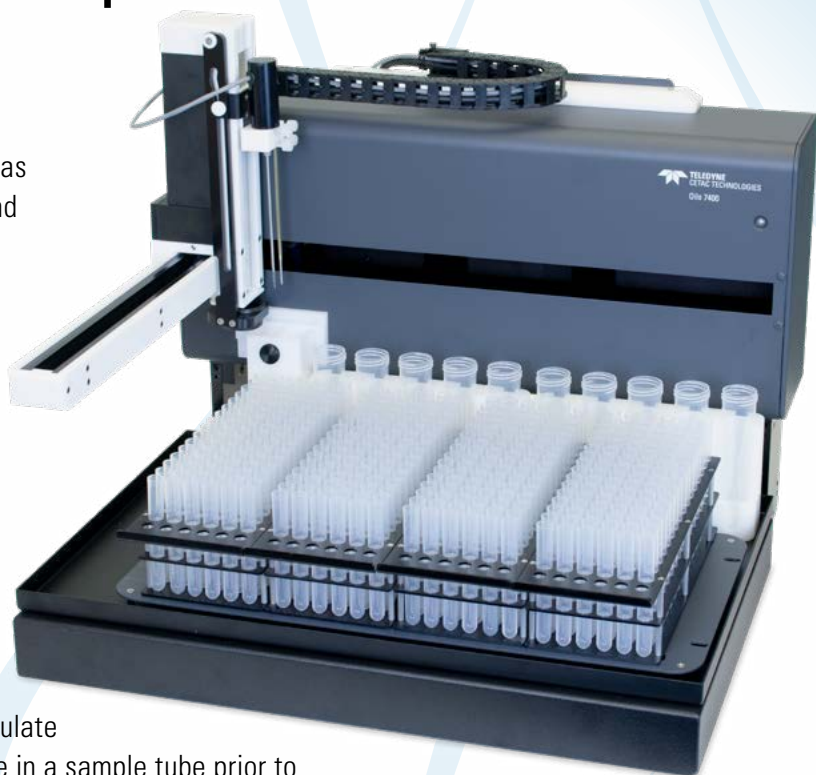


Oils 7400 & Oils 7600

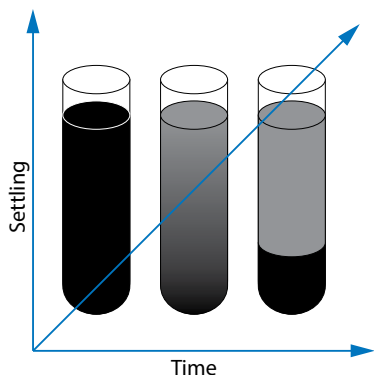
Homogenizing Autosamplers

One Autosampler for both oils and coolants

Oils testing laboratories are adding more sample types as their industry becomes more complex. The Oils 7400 and Oils 7600 Homogenizing Autosamplers allow two sample matrices to be introduced to an ICP instrument from the same system. Boasting a dual port rinse station fed by two separate peristaltic pumps, they can change between oils and coolants testing on demand. With improved speed, mixing capability and sample drip capture, the Oils 7400 and Oils 7600 deliver robust analysis without compromise.



Sample Homogenization



Used oil samples typically contain particulate material that can settle in a sample tube prior to analysis; this can lead to generation of non-representative data. The Oils 7400 and Oils 7600 automation has been designed to resolve this problem.

Prior to analytical measurement, each sample is homogenized by the autosampler. A stirring paddle mounted next to the sample probe efficiently mixes each sample and, with the sample probe, is cleaned at the rinse station. Sample mixing is configurable, via a software dashboard, to meet the challenge of more viscous oil samples.

Faster

Faster and smoother XYZ movement saves up to 2 seconds per sample compared to previous generation oils automation. Analyze 2 samples per minute with the *ASXPRESS PLUS* rapid sample introduction for ASTM 5185 and ASTM 6130 testing.

Improved Accuracy

Superior motion control with the 7000 Series automation platform allows more accurate and precise XYZ movement for robust sample analysis.

Cleaner

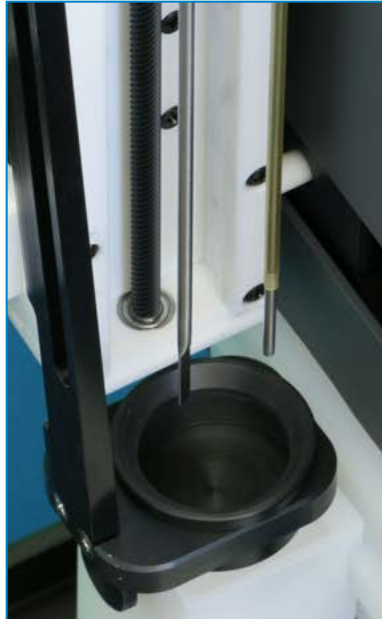
An improved drip cup allows sample drip capture and retention to eliminate cross contamination at faster XYZ movement. An integrated dual port rinse station helps minimize analyte carryover and cross contamination.



Oils 7400 & Oils 7600

New Drip Cup Design

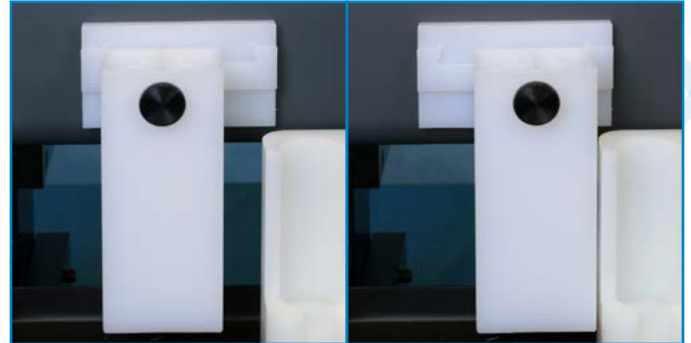
An improved drip cup design captures and retains any sample droplets, eliminating cross contamination while the probe and stirrer move over the sample tubes. The new design uses a cam shaft to provide smoother movement and also has an internal lip to ensure liquid retention while moving at higher speeds.



The drip cup travels with the sample probe and stirring paddle to prevent cross-contamination.

Dual Rinse Station

Used oil and coolant samples can be analyzed from the same automation with a sliding rinse station. For oils testing, the probe and stirrer are rinsed in ports fed from a peristaltic pump with kerosene or white spirit.



For coolants testing, the rinse station slides over and engages a second peristaltic pump that delivers an appropriate rinse agent such as water or nitric acid. By changing the sample probe, stirring paddle and ICP glassware, the analyst can switch from oils testing to coolants testing within 5 minutes.

Technical Specifications

Dimensions



	Oils 7400	Oils 7600
Height	49 cm (19.3 in)	49 cm (19.3 in)
Width	57 cm (22.4 in)	81 cm (31.9 in)
Depth	57.5 cm (22.7 in)	57.5 cm (22.7 in)
Weight	23 kg (50 lbs)	35 kg (77 lbs)

Capacity

Oils 7400: Up to 4 racks, up to 384 samples

Oils 7600: Up to 6 racks, up to 576 samples

Rack Options

Gilson, Bel-Art, CETAC/Bohdan, Janus

Hardware Interfaces

RS-232 and USB

Power Requirements

100-240 VAC, 47-63 Hz, 1.9 A

Minimum Computer Requirements

Microsoft Windows® 7 or newer operating system

1 GB RAM

2 Free COM or USB ports

Adobe® Acrobat® Reader is required to read the manuals that accompany the software

Internet Explorer 6 or higher must be installed for system to function properly

Warranty

2 year limited