

APS-1650

Automated Preparation Station

The APS-1650 Automated Prep Station is a fully automated offline solution for the preparation of diluted oil samples for ICP-AES. CETAC designed the system to ensure fast, accurate sample dilutions, in a small footprint, to save time and bench space.

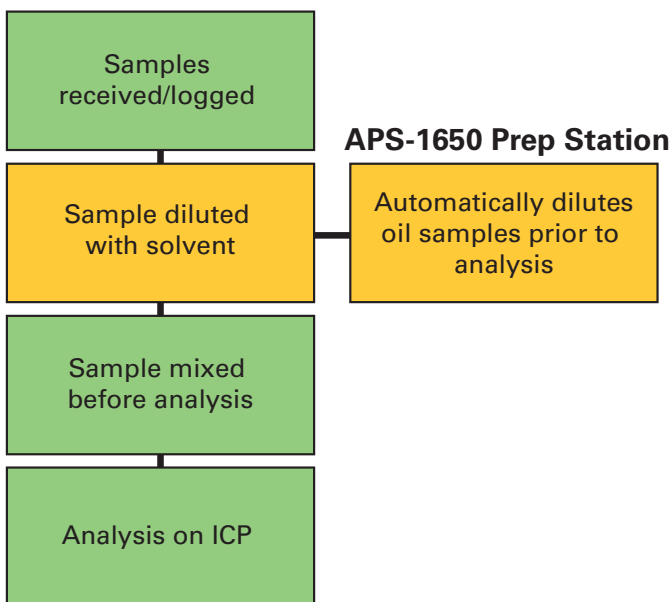


AUTOMATED DILUTION

Before wear metals samples can be analyzed, they must be prepared by means of a relatively simple dilution (usually by a factor of ten). However, these dilutions are time consuming and carry the potential for human error.

The APS 1650 Automated Preparation Station handles this task, freeing laboratory personnel and eliminating errors. User friendly software provides a platform for quick and easy laboratory configuration with multiple sample, diluent, rinse and rack optional settings.

Wear Metals Analysis



THROUGHPUT

35 seconds per sample for dilution with less than 0.2% carryover is typical.

STIRRER

Independent stirrer control to ensure proper mixing of samples, leading to more precise results.

DRIP CUPS

Dual independent drip cups beneath the sample and stirrer eliminate cross contamination and messy drips.

FLEXIBLE RACK OPTIONS

Sample Racks: 45 position 2 oz and 4 oz bottles; 80 and 90 position 2 mL cups

Collection Racks: 80 position 15 mL (17mm x 100mm); 90 position 8 mL (13mm x 100mm)

Technical Specifications

Dimensions (H x W x D):

Autosampler: 70 cm x 110 cm x 70 cm
(27.5" x 43.3" x 27.5")

Syringe Module: 26.7cm x 14cm x 20.3cm
(10.5" x 5.5" x 8")

Autosampler Weight: 30 kg (66 lbs)

Syringe Module Weight: 4.5 kg (10 lbs)

Computer/Hardware Interfaces: RS-232, USB

Power Requirements: AC 100V-240V, 3.2A

Warranty: 2 year limited .