DEENA SPECIFICATIONS

Optional Accessories and Services

- Syringe Module
- HEPA Filtered Fume Hood
- Computer, Monitor, Printer
- Installation and Training
 - Service Contracts
- Extended Warranties
- Vials and test tubes

Capacity -- 60 x 50 ml samples

of Reagents --# of Standards

Fill-to Function (at 50 ml final volume)

Accuracy <1% Precision (n=20) <1%

Syringe Dispensing

* = the greater of

Range 0.25 - 5 ml Accuracy <10 ul or 2%* Precision (n=20) <5 ul or 1%*

Reagents Dispensing

Range >0.5 ml

Accuracy <0.025 ml or 1%* Precision (n=20) <0.035 ml or 1%*

Temperature Control

H x W x D (in)
*With Fume Hood

*With Fume Hood and Syringe Module

Weight

Communication Voltage Power Ambient - 180 C°

17.5 x 31.5 x 19.5 22 x 33.5 x 20

22 x 48 x 20 120 lbs/55 kg

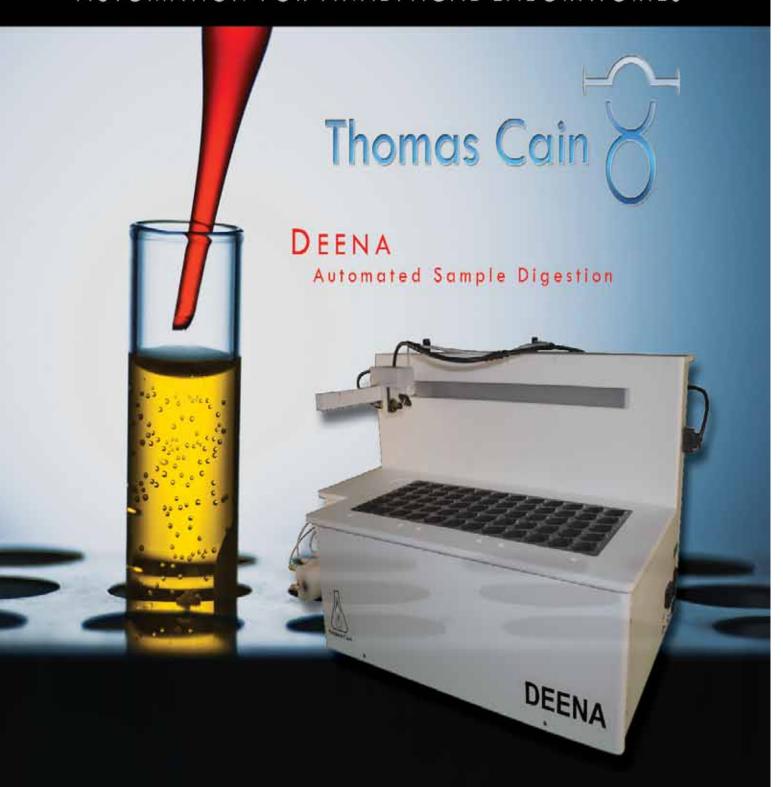
USB / RS-232 100-240 V

15 A @ 110/1<u>15 V</u>

Thomas Cain, Inc. 4322 S. 50th St. Omaha, NE 68117 Office (402) 614-6585 Fax: (866) 305-2704

Visit ThomasCainInc.com for more Information regarding DEENA

AUTOMATION FOR ANALYTICAL LABORATORIES



ACCURATE . CONSISTENT . RELIABLE . SIMPLE

THOMASCAINING.COM

A FULLY AUTOMATED SAMPLE DIGESTION SYSTEM FOR METAL ANALYSIS

THOMAS CAIN, INC.

DEENA

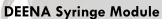
 An automated sample digestion system that fully automates the sample preparation for EPA and other laboratory methods. --Methods that include hot water baths or heated blocks in metal and mercury analysis.



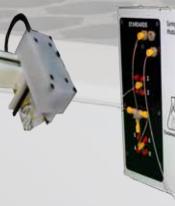
DEENA

- Handles up to 6 standards and 9 reagents including a dedicated reagent line for difficult solutions (e.g., KMnO4).
- There are 3 racks, each having a capacity of 20 samples, for ease of handling and portability.
- With the optional fume hood, **DEENA** can be placed on a bench top, freeing up valuable space.

Improves laboratory safety Reduces manual handling of acids Increases efficiency Frees up technician time **Provides consistent results**



- •An automated standards accessory.
- -The Syringe Module is capable of accommodating up to six standards. These standards may include check, calibration, and laboratory control standards as well as spikes.





DEENA Fume Hood

- •Allows the customer to place **DEENA** on a standard laboratory bench top in order for customers to better utilize their existing laboratory fume hoods.
- •Includes a HEPA filter and duct tubing to connect to the laboratory's exhaust system.

DEENA AUTOMATES •

Reagents addition

Standard addition

Sample agitation (shaking)

Heating

Cooling

Color inspection (mercury methods)

Filling to volume (final dilution)

Detailed sample reports

DEENA Software

• Is specifically designed to be user and auditor friendly. It is simple to navigate and the digestion methods are made from easy to understand commands. The methods are completely customizable. This allows the user to use **DEENA** to automate standard EPA methods or any variation of laboratory methods. The software will save an unlimited number of methods. The report functions of the software keep records of exactly what is done to each sample and a log can be printed or exported for tracking purposes. For audits, the software also keeps detailed calibration information which can be printed or exported.

DEENA Software Features

- Unattended overnight operation
- Preheat function
- **Audit Reports**
- Sample Reports
- Variable vial positions
- Unlimited Customizable Methods

Computer Requirements

- Windows XP / Vista
- 1.8 GHz Processor Speed
- 128 MB Memory
- 20 GB Hard Drive
- 1 USB Port or 1 COM Port



DEENA-M

- •This model is a compact version of **DEENA** with a smaller foot print and a sample capacity of 30. This is an option for those customers who may not need a full batch of 60.
 - DEENA m performs identically as DEENA, following the same software and optional accessories and services.

