



CHEM+MIX[®] Pro

Next Generation Automated Solution
Preparation System



Your rapid automated mixing system
just got smarter

CHEM+MIX Pro is the next generation in automated solution preparation, which increases lab productivity and reduces errors. The technological advancements in the CHEM+MIX Pro allow the system to greatly minimize solution preparation time, simplify laboratory work, and control operations with a touch screen interface.

CHATA

PROPEL*labs*

+ The CHEM+MIX Pro System

High Speed + High Precision = Better Solutions

Save Time

- + Rapidly dispense volumes from 10 mL to 5L
- + Quickly change mixing vessels with an integrated cap
- + Fast and precise automated pH adjustment and measurement

Large Volume Pump Technology

- + High-precision and accuracy capability
- + Quickly dispense 5L in 5 minutes
- + Accurately create complex solutions

Low Volume Fluid Handling Capabilities

- + Highly precise syringe pumps
- + Dispense 10mL accurately for low volume applications
- + Fluidics path designed to eliminate extractibles and contamination

Automated Label Printing

- + Error free labels for prepared solutions
- + Customizable options including preparation date, expiration date, hazardous information and much more
- + Convenient audit trail paperwork at your fingertips





The Difference is Our Software

Fast. Intuitive. Touchable. Traceable.

Fast

- + Efficiently save time and money
- + Quickly enter and save Methods
- + Walk away solution preparation

Intuitive

- + Simple and understandable graphical interface
- + Guides in Method creation
- + Eliminates waste through intelligent volume tracking

Touchable

- + Space saving touch-screen interface
- + Compatible with gloves
- + Simple menu and button navigation

Traceable

- + Automatically generates reports after each run
- + Audit trail menu aids in system usage analysis
- + Informs user of expired components prior to Method run

The screenshot displays the CHEM+MIX Pro software interface. At the top, it shows 'Run CHEM+MIX Pro' with method details like 'Method: HCR-123', 'Product #: XXX', and 'Description: Phosphate Buffer w/ ACN and MeOH'. Below this is a 'Mixing Controls' section with a 'Stirrer Speed' slider and a 'Print' button. The main area is a 'Component Configuration Wizard' with a table of components:

Type	Component	Concentration	Final	Ports
S1	Non-Dispensable Potassium Phosphate Monobasic Anhydrous	6.350 g		
P	Component Water	245.500 mL	S1-1 S2-...	
1	Component Triethylamine	50.000 mL	S1-2	

Below the table is a 'Recommendations' section with 'pH-A' and 'pH-B' settings. At the bottom, a 'Report Browser' window is open, showing a detailed report for 'CHEM+MIX Pro v1.0 CHATA BioSystems'. The report includes 'Preparation Details' (Method: Test Pri_pH_X, Total Volume: 300.00 mL, Stirrer Speed: 15%) and 'Method Details - Test Pri_pH_X' with a table of components and their details.



The Science of Lab Efficiency

Specifications

Chem+Mix Pro System	A-1
Power: 110 – 204 V / 50-60 Hz	Dimensions: H 14 7/8", W 12 3/8", D 11"
Operating Temperature: 5 - 40° C	Power: 100 – 240 V / 50 – 60 Hz
Accuracy of 99% or better	Operating Temperature: 5 - 45° C
RSD Precision of ≤ 2.0	Storage Temperature: -20° - +60°C
21 CFR part 11 Compliant	

HT Assembly	pH-1
Dimensions: W 11 1/8", H 11 5/8", D 10"	Dimensions: W 5 7/8", H 17 3/4", D 10 3/4"
Rate: 1.5 L / minute	pH range: 0 - 14, resolution 0.01
Power: 110 – 240 V / 50 – 60 Hz / 60W	Power: 100, 117, 220 / 230, 240 V / 50 – 60 Hz / 15W
Operating Temperature: 5 - 40° C	



CHATA

323 S. College Ave., #5
 Fort Collins, CO 80524 USA
www.chatasolutions.com
 Tel: +1.877.246.2428

PROPELlabs

131 E. Lincoln Ave., Ste. 200
 Fort Collins, CO 80524 USA
www.propel-labs.com
 Tel. +1.970.295.4570