



CHRONECT™ XPR

Automated powder dosing

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 **CHRONECT™**
by  **TRAJAN**

CHRONECT™ XPR

Integrated powder-liquid automation system

Completed workflow integrates ultra-accurate powder dosing and liquid sample preparation.

Integration of accurate dosing and weighing technology into liquid sample preparation maximizes your time and resources while minimizing user exposure and error sources.

The CHRONECT™ XPR integrated powder-liquid automation system is a complete workflow like no other. This powerful platform is achieved through seamless coordination of industry proven, trusted, modular elements.

The high-precision, safe and reliable powder automation you've always wanted.



The most complete, trusted, and flexible system available

The industry-leading XPR powder dosing capability, from METTLER TOLEDO, enables the highest level of accuracy and safety in powder delivery. The calibrated and certified balance is isolated from the moving components through optimized mass and mechanical damping. The integrated, multi-axis, cooperative robot combined with the precision-engineered platform facilitates the automation of up to 32 different powders.

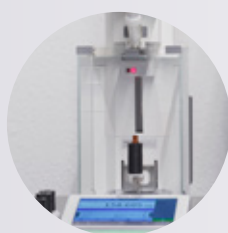
Synchronized and in parallel, the PAL workstation automatically seals and caps vials, adds accurate liquid volumes, agitates, vortexes, mixes, heats, and or promotes dissolution or extraction from the solid, according to your workflow.

The powerful CHRONOS™ software empowers users with familiar sample/method based control. The CHRONOS software natively drives all modules in the system, eliminating any need for robot programming in your laboratory. CHRONOS also expands compatibility to integration with large scale automation systems, all major analytical instrument data systems, and legacy QX96 excel files.

Ultra-accurate powder dosing and liquid sample preparation



Decapping



Dosing



Sealing/transfer



Liquid preparation

Compact footprint allows you to handle powder samples in a safe, inert gas environment

The integrated system is designed with your lab in mind, and a footprint compatible with benchtop, open laboratory environments and both positive and negative pressure cabinets.

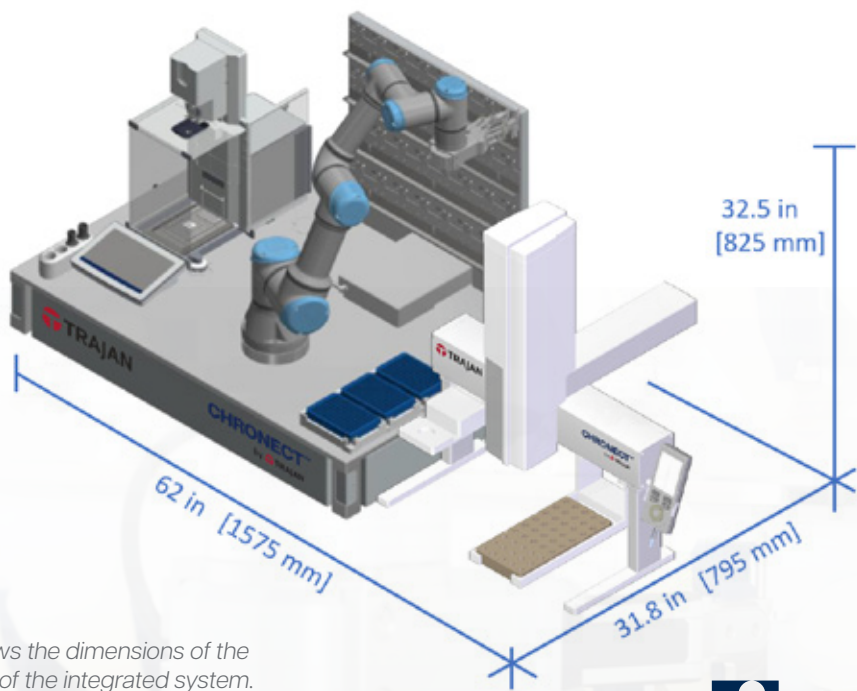
Powder can be added to vials in a completely isolated environment, sealed in inert gas, and prepared for any analytical technique, without users coming into contact with potentially toxic or otherwise hazardous powders.




Positive tracking and traceability of powder dosing heads through RFID

Positive tracking and traceability of powder dosing heads is achieved through embedded RFID tracking. This tracking and workflow information can be output directly to LIMS systems, data systems, PDF, Excel or CSV formats.

Specifications	
Sample and dosing	
Powder dispensing range	1 mg - several grams
Component dosing heads	Up to 32 Mettler Toledo standard dosing heads
Suitable powders	Free-flowing, fluffy, granular or electrostatically charged
Dispensing time - 1 component	10-60 seconds, depending on compound
Target vial formats	Sealed and unsealed vials (2 mL, 10 mL, 20 mL); unsealed 1 mL vials
Platform	
Dimensions (w x d x h)	950 x 650 x 825 mm (without capping or liquid prep) 1575 x 795 x 825 mm (with capping and/or liquid prep)
Configuration modules	- CHRONECT robot: collaborative robot and XPR platform XPR powder dosing: integrated balance and dosing module. - Capping/liquid automation: PAL system and Chronos control software – varies by application.



This illustration shows the dimensions of the basic configuration of the integrated system.

A background image showing a laboratory automation system, specifically the CHRONECT™ XPR, which is a white, robotic arm-like device used for precise powder dosing and liquid sample preparation. It is positioned over a multi-well plate and a vial.

CHRONECT™ XPR Integrated power-liquid automation

Ultra-accurate powder dosing and liquid sample preparation

Visit us at www.trajanscimed.com or contact your regional Trajan representative for more information.

Science that benefits people

Trajan Scientific and Medical develops products and services that can enable critical improvement in the analytical workflow. We aim to have positive impact on human well-being with the delivery of precision products that protect sample integrity and minimize result variation.
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