

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

## LEAP CHRONECT XPR integrated powder-liquid automation system

Complete workflow integrates ultra-accurate powder dosing and liquid sample preparation



**CHRONECT** XPR

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

The LEAP 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



*Decapping*



*Dosing*



*Sealing/transfer*



*Liquid preparation*

## Ultra-accurate powder dosing and liquid sample preparation

**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.

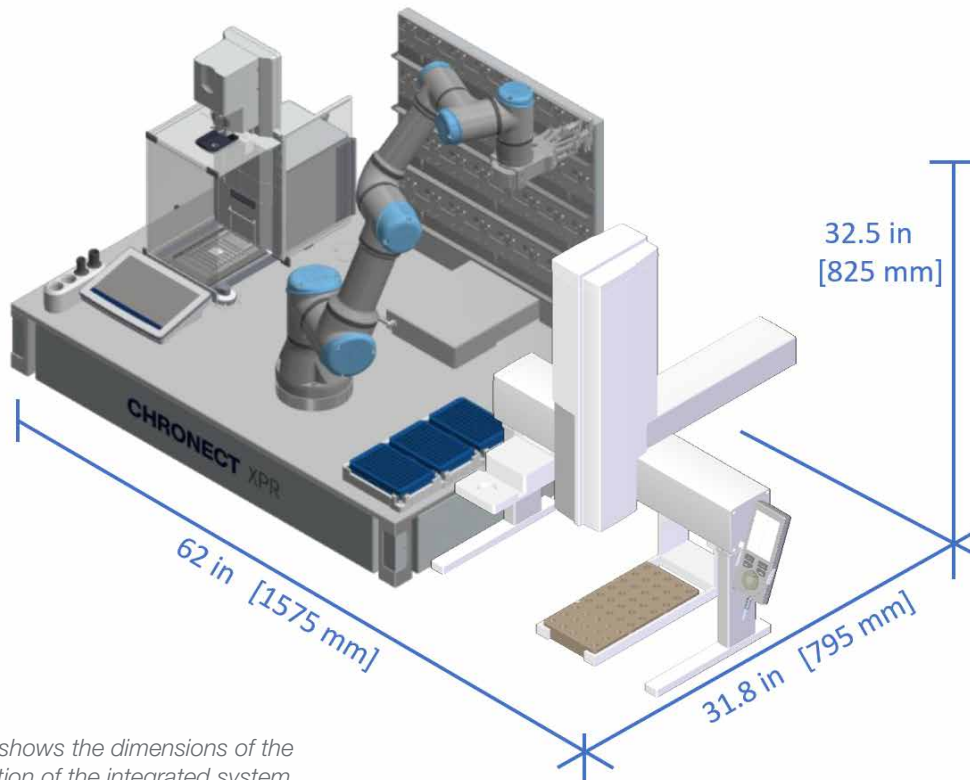
Synchronized and in parallel, the PAL workstation automatically seals and caps vials, adds accurate liquid volumes, agitates, vortexes, mixes, heats, and or promotes dissolution or extraction from the solid, according to your workflow.

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.

## 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.



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



## 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.

The most complete, trusted and flexible system available

## Integrated powder-liquid automation

### Ultra-accurate powder dosing and liquid sample preparation

Specifications	
<b>Sample and dosing</b>	
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
<b>Platform</b>	
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	<ul style="list-style-type: none"><li>- CHRONECT robot: collaborative robot and XPR platform</li><li>- XPR powder dosing: integrated balance and dosing module.</li><li>- Capping/liquid automation: PAL system and Chronos control software - varies by application.</li></ul>

Visit us at [www.trajanscimed.com](http://www.trajanscimed.com) or contact your regional Trajan representative for assistance and further information.



**CHRONECT** XPR

In collaboration with METTLER TOLEDO and Trajan Axel Semrau.

## Trajan Scientific and Medical

### Science that benefits people

Trajan is actively engaged in developing and delivering solutions that have a positive impact on human wellbeing. Our vision revolves around collaborative partnerships that improve workflows, delivering better results.