stuntman

Small Molecules & Chemistry

UNCHAINED LABS

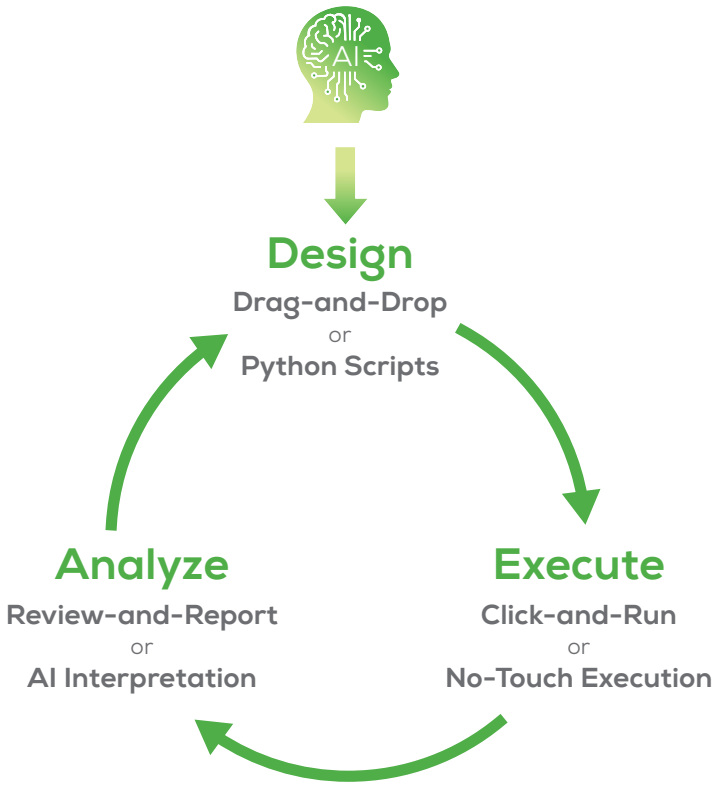
Tag in AI-driven automation

Stuntman combines built-in AI with fully modular hardware to rip through tough screening, optimization, and preformulation tasks. Run more informed screens for reactions, catalysts, solubility, crystallization, and polymorph studies with real-time sampling, integrated analytics, and AI-driven experiment design and scripting. Whether you're mapping reaction space, tuning processes, tracking real-time kinetics, or prepping samples, you can build, swap, and scale any small molecule workflow to nail every run – Stuntman's always ready to hit the ground running.

- Reaction screening & optimization
- Process optimization
- Crystallization & polymorph screening
- Solubility screening
- Discrete & continuous variables
- Real-time kinetics
- Sample preparation

Up the ante with AI

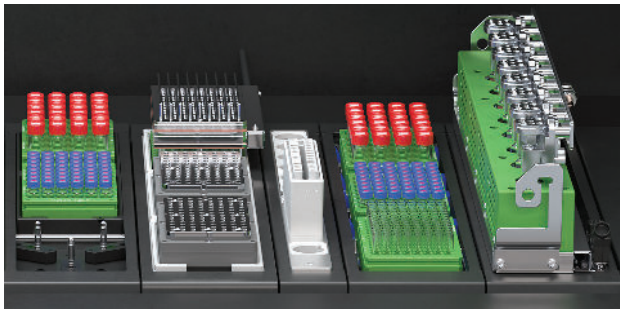
Built and tested on Stuntman, our AI turns your natural-language prompts into executable scripts that can drive closed-loop automation from start to finish. It helps plan and organize experiments, interpret results, and guide how things progress – you just tell it what you want to achieve. Generate entire workflows through AI, an intuitive drag-and-drop interface or dive into Python with full API access. Every condition, step, and data point is logged in open, structured formats for effortless sharing and analysis.



Do stunts your way

Stuntman's fully adaptable, so you can build your deck around your science. Trick it out for screening and optimization with thermal, photochemical, or electrochemical reactors – plus high-temp and high-pressure modules when you need more muscle. Tack on crystallization arrays, solubility stations, heated filter blocks, and powder or viscous dispensers for preformulation. With built-in AI support, refine your workflows with confidence.

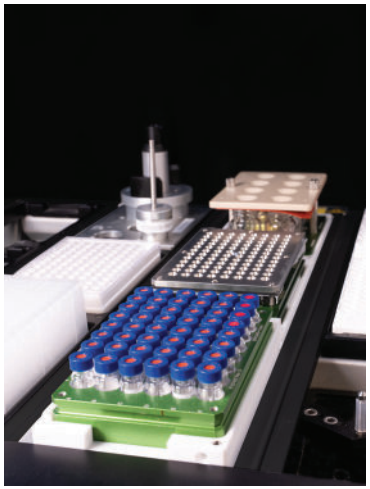
Reaction preparation



Screening, optimization, or preformulation

Bang out screening and optimization

Stuntman makes screening and optimization look easy. Screen hundreds of solvents, ligands, catalysts, or reagents in parallel with less material in less time. Add the Optimization Sampling Reactor (OSR) to grab time-point samples on the fly. Pinpoint key variables, map reaction profiles, boost yields, and dial in selectivity – all on one system. Whether you're running discrete or continuous variables, Stuntman keeps your chemistry moving.



Heating/cooling/stirring station

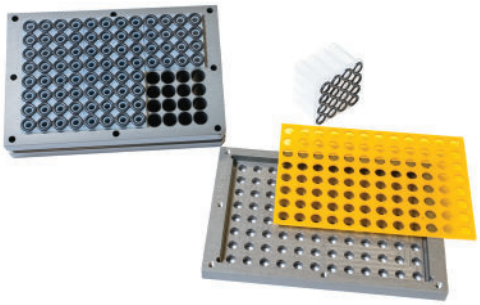
Optimization Sampling Reactor (OSR)

Land your preformulation process

Stuntman handles temperature-controlled transfer and heated filter blocks to keep APIs soluble and squeaky clean. Heat or cool samples on the crystallization assembly right on deck and dive straight into birefringence, XRD, or Raman analysis all without handling a single solid.

Heated liquid dispensing

Heated filter block

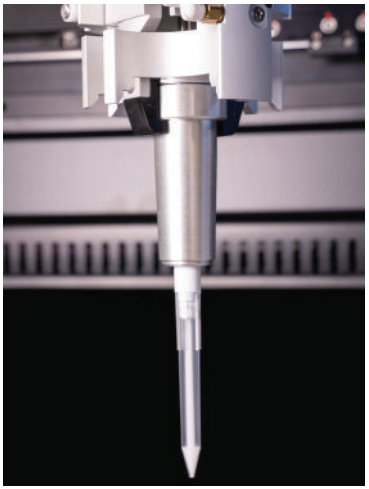


Crystallization assembly

Dose it right and seal it tight

Stuntman's automated powder dispense and liquid handling dominate accurate and reproducible dosing for powders, viscous materials or slurries. Automated capping and crimping keep every vial sealed for heat, pressure and storage – or whatever's next.

Solid dispensing

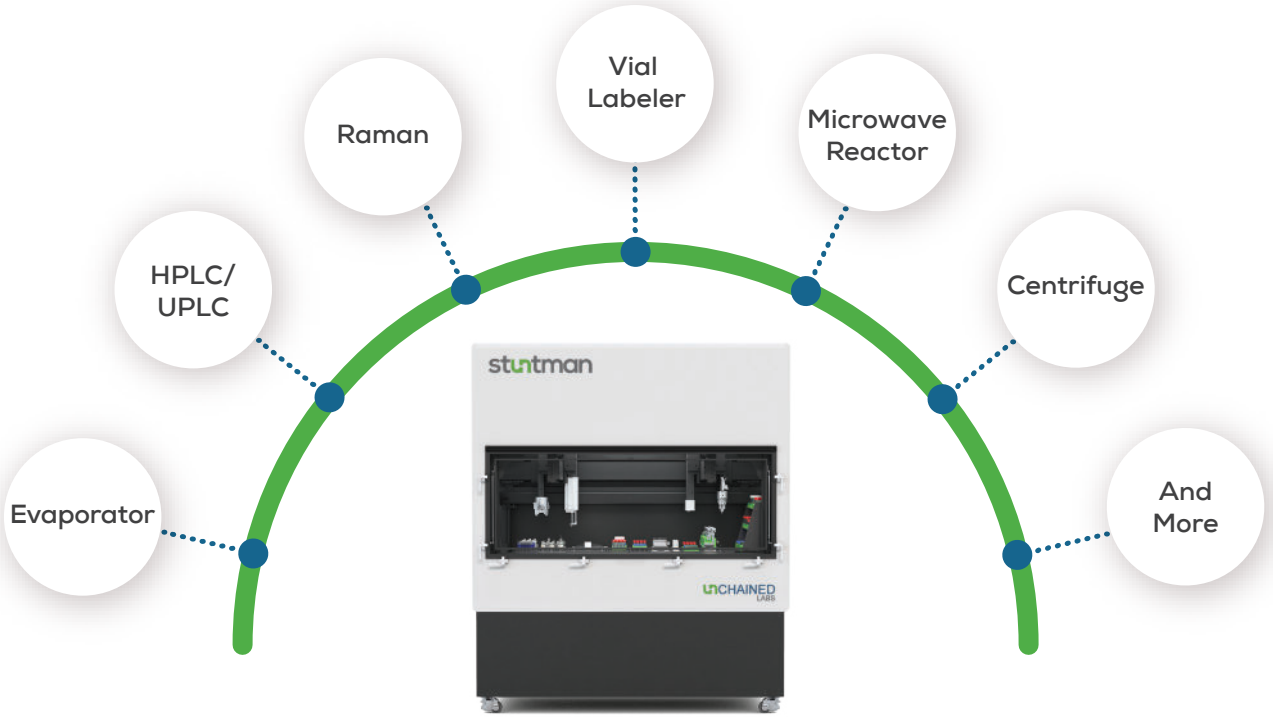


Viscous liquid dispensing

Automated capping

Bring in the crew

With Stuntman, integrations and add-ons are endless so your science never hits a wall. Drop in modules for filtration, dilution, evaporation, reaction work-ups or hook it up to third party systems for prep, processing or analysis. Whatever the trick, Stuntman's built to play well with others.



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Rev A