

자동제형(배합)시스템

Automated Formulation Systems

- 고속 대용량처리
- 기존 제형방법 및 장비 통합가능
- 액상, 고체(분말) 및 점성액상 가능
- LIMS 통합가능

적용분야

- 코팅
- 식품
- 제약
- 접착제
- 가정용세제
- 화장품 등

Labman's expert liquids, solids, and viscous liquids handling can now be integrated into automated high throughput formulation and measurement systems, specifically designed for your workflow.

개요

Labman has manufactured formulation systems for a wide variety of industries including coatings, food, pharmaceutical, adhesives and household care products. The systems typically include a variety of liquid handling technologies and often a number of different solids handling techniques. Most systems also include heating, chilling, dilution, capping, barcode tracking and some method of mixing. Systems can also include subsampling and analysis of the completed formulation. Normally all dispensing is performed gravimetrically using 4 or 5 place analytical balances. Every system we make is uniquely fitted to the customer's specifications. As a rule we shape the robot around your workflow and not the other way around. Custom systems require a little more time commitment up front but the reward is a system which meets your needs exactly.

사례

Labman supplied an automated formulation and measurement system to a customer in the coatings industry in 2008. The system has accelerated a number of product launches by as much as 9 months.

특징

- 분말이송
- 시린지를 이용한 액상첨가 기능
- 펌프를 이용한 액상첨가 기능
- DAC 믹서 장착가능
- 하루 120 ~ 700 샘플제조
- 15개 혼합첨가 기준 하루 100 샘플 제조
- 제조된 샘플의 기판을 이용한 온라인 분석 기능
- 샘플 코팅제 온라인 이미지 분석
- 코팅제 표면분석
- 2년에 30,000샘플 제조
- 2년에 500,000만 샘플 측정
- 온도, pH, 토크미터 장착 가능

장점

비용절감

Automating formulation allows products to be created more quickly and more efficiently.

대용량 처리

Automated formulation systems can operate for 24 hours a day, vastly increasing throughput.

샘플입자크기

Accurate dispensing means smaller sample size and less waste Data and modelling.

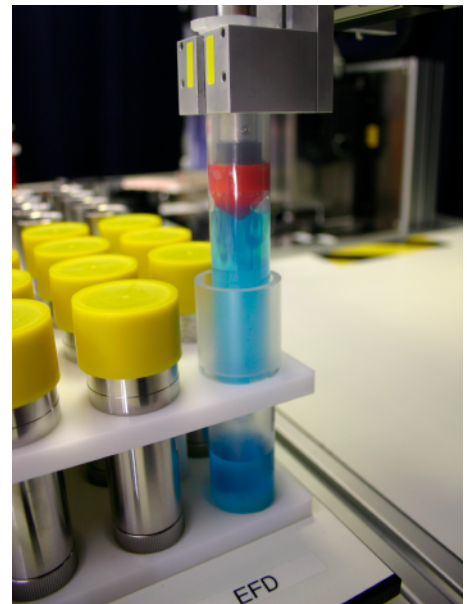
데이터 및 모델링 기능

LIMS integration allows iterative design of experiments and effective data mining.

높은 재현성

Automated systems allow total traceability and excellent repeatability. Every single addition is logged and confirmed within tolerance.

“Our Labman system takes two months off a new product development cycle and we have saved over \$200,000 refining just one core product”



Local Distributor



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07299

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