uncountable

Uncountable's R&D Solution: Paints & Coatings

Accelerate Development with our All-in-One Software for Enterprise R&D Teams

Uncountable is the leading provider of an integrated ELN+LIMS software solution for enterprise R&D in coatings materials and technologies. Data generated throughout the entire product development process can be captured in one system, in a highly interconnected and structured format, enabling complex data visualization, analysis, and predictions with user-friendly, built-in tools.

CONNECT & CENTRALIZE: ALL YOUR R&D DATA AND INSIGHTS IN ONE PLACE

MATERIAL SYNTHESIS + **FORMULATION DEVELOPMENT** + **ANALYTICAL MEASUREMENTS** + **PRODUCT DURABILITY**

RESEARCH AREAS: A FEW OF MANY AREAS OF FOCUS

Uncountable's expertise aligns with the needs of R&D teams in leading coatings companies, providing advanced solutions across the entire development pipeline – including these four key areas:

Polymers, Resins, & Binders

- Increase yields across the synthetic pathway from R&D to pilot
- Discover trends in structure for refined thermal, mechanical, and chemical properties
- Optimize resin polymerization and curing processes

Additive Synthesis

- Synthesize new molecules & characterize functionality
- Enhance coating properties and minimize defects across application
- Balance performance enhancement with in-line cost considerations

Coatings Development

- Develop formulations for specified performance targets & metrics
- Enhance corrosion and chemical resistance while maintaining gloss, adhesion, and low VOC concentration
- Identify and optimize high-throughput screening conditions across multi-parametric formulations

Sustainable Solutions

- Adhere to regulatory guidelines via ingredient replacement studies
- Improve function of solvent-borne and waterborne systems for widespread applications
- Integrate & visualize real-time data analytics for process optimization in formulation & application

info@uncountable.com   www.uncountable.com

KEY DATA INSIGHTS: COLLECTION TO ANALYSIS

Process Data

- Easily document detailed coating production parameters & conditions
- Automate data intake from sensors & control systems
- Utilize performance metrics to identify and mitigate process inefficiencies

Formulation Data

- Access to comprehensive formulation composition & compliance data
- Correlate physical & chemical property data correlated to formulation
- Easily test and track stability and durability

Data Ingestion

- Bi-directionally connect with all major instrument & equipment vendors:
  - Spectroscopy
  - Rheology
  - Color Matching
  - Microscopy
  - Weatherability Data
  - Environmental Analysis

Data Centralization

- Consolidate data in one place, from raw ingredients, inventory, and instrument scheduling to production line
- Calculate cost, solids %, & VOC concentration – without external programs

OPERATIONAL INSIGHTS: STREAMLINED LAB MANAGEMENT

Work Assignments

- Efficiently allocate & track tasks across all R&D orgs.
- Get real-time updates regarding project status and project milestones
- Monitor productivity and resource utilization with advanced reporting

Exposure Panel Testing

- Automate scheduling and monitoring of weathering data & studies
- Track testing conditions and product performance
- Assess material trends and predict durability with robust data analysis tools to

Technical Service Requests

- Centralize management of all technical support & service inquiries
- End-to-end tracking across request status, history, and resolution
- Integrate with knowledge bases & documents

Sample Management

- Streamline tracking of formulations and test samples from creation through analysis
- Integrate barcode and RFID technologies for efficient sample handling
- Comprehensively report & manage inventory

TRUSTED BY HUNDREDS: PARTNERING WITH CUSTOMERS ACROSS THE INDUSTRY

PENN COLOR   CABOT   CLARIANT   SunChemical a member of the DIC group   dic Color & Comfort   BEHR   Sika

DUPONT   remmers   TRINSEO   INDORAMA VENTURES   NAZDAR   tesa   AGC

WANT TO LEARN MORE?

To learn more about Uncountable's platform, visit www.uncountable.com, or schedule your free personalized platform demo today!

Book A Demo