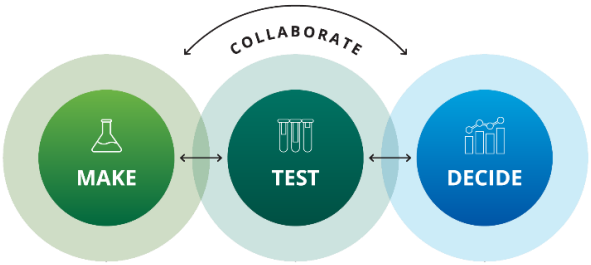
Specialty Chemicals



Specialty chemical and related industries face many challenges in the development of new products and optimization of existing materials. The Make-Test-Decide innovation cycle can be very time consuming.

Revvity Signals solutions accelerate your product development, giving you an advanced understanding of the relationships between components and product performance. You'll make more insightful decisions, based on predictive modeling, as you create, test, and choose faster and more successfully than your competition.

Accelerate R&D innovation with reduced risk

You need to increase the efficiently of developing new formulations or modify existing ones, conducting tests, and analyzing results. You also need the insights and flexibility to pursue secondary options if they offer a better payoff.

Revvity Signals data capture and analytics solutions accelerate your R&D innovation, while reducing risk, to put your organization in the fast lane to market success.

Request a Demo Today!

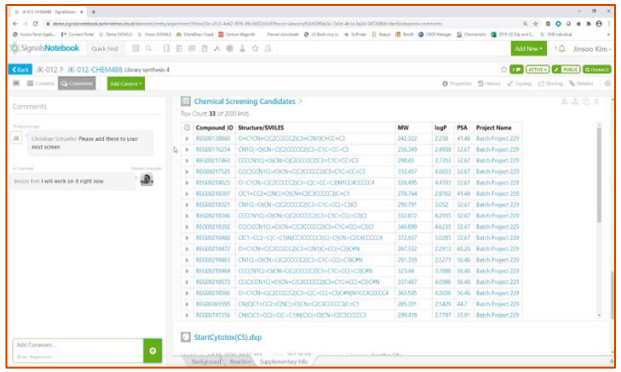


Figure 1. Powerful search and collaboration function

Figure 2. Visualization tools to compare formulations

Our solutions enable you to:

- Increase efficiencies by recording experiments in a common digital platform
- Implement leading data management techniques for real-time analysis.
- Transform data into insights with smart analytics.

Power past common R&D roadblocks

Revvity Signals gives you the data management power to overcome the six most common challenges in specialty chemical R&D:

Informatics designed to answer your chemical research challenges.

01 Speed to market

02 Process improvement

03 Cost of materials

04 Translating unmet market needs

05 Intellectual property protection

06 Obsolete and cumbersome software tools

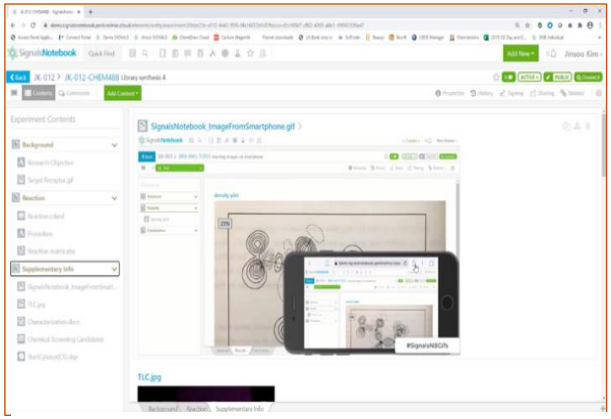


Figure 3. Store your research files in one platform for integrated access.

Get ahead. Stay ahead. And leave the competition behind.

Join leading chemical and agrochemical companies who are using Revvity Signals to power their chemical innovation.

- Does it take too long to develop new formulations, or modify existing ones to suit new applications or parameters?
- Does the volume of formulations and ingredients make search and retrieval of data too time- and labor-intensive?
- Is your work delayed because scientists don't know what raw materials are available in-house, what needs to be ordered, and what they should cost?
- Is it difficult to determine if ingredients and formulations meet specified test criteria?
- Is inefficient management of people, samples, instruments, and other resources interfering with timely, high-quality testing?

What you need is a complete, consistent, and collaborative environment that meets the scientific and technical needs of your organization.

Revvity Signals solutions speed up data capture, data processing, decision making, and material tracking — as well as vastly improving overall data analytics — to give you greater agility when responding to changing market demands.

End-to-end data capture, management, and analysis guide your teams to invest in the right formulations, collaborate effectively, and make optimal decisions—every time

- Integrated workflows to foster collaboration.
- Best-in-class visual/advanced analytics.
- Holistic insights from automatic data association.
- IP protection with capture of experimental narratives that are available for learning through the enterprise.
- Faster product development, with fewer failures, through collaboration and information sharing.
- Scalability from small operations to global enterprise companies

Powerful, highly scalable, and purpose-built

- A complete, consistent, and collaborative environment that meets the scientific and technical needs of the organization and users.
- Faster data capture, data processing, decision making, and material tracking.
- Data analytics that enable greater
- flexibility to respond to market demands.
- Access to audit trails and other information related to security regulations for proof your systems, data, and IP are secure and compliant.

Integrated solutions to accelerate R&D

- Each of Revvity Signals data capture and analytics solutions give you the information and insights to investing in the right formulations, collaborate effectively, and make superior decisions.

Signals™ Notebook for frictionless collaboration

Improve productivity and data transparency through enhanced collaboration, improved workflows, and lab automation with the only future-proof ELN solution that covers a comprehensive set of scientific use cases, spanning chemistry, formulations, analytical testing, and more.

Signals™ Notebook manages materials use

Automate inventory management within Signals Notebook, easing user experience and accuracy as they look up, link to, and update materials required for their experiments.

Signals™ Inventa powers faster decisions

Quickly access and analyze all scientific results collected throughout the research and development lifecycle with our a next-generation data management system and fine tune your R&D performance.

TIBCO® Spotfire® fuels data-based insights

Make data-driven decisions in record time with everything you need to prioritize work in the lab, from enterprise-class visual analytics and discovery platform to predictive analytics.

ChemDraw® delivers high-performance management, reporting, and presentation

Perform quick structure searches across all chemical information and manage collections of molecules and/or reactions with their associated properties using the chemicals industry's gold standard for communicating chemistry research.

Take control of your data, and fast track better ROI for your R&D, at

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