



VPXL: Expert Perspectives on the Future of Moisture Analysis

An Interview with AMETEK Brookfield's Specialist

Introduction

Moisture analysis is a cornerstone of quality control and compliance across industries – from pharmaceuticals and polymers to chemicals and fuel production. Yet, many labs still rely on outdated methods like Karl Fischer titration, which involve hazardous chemicals, complex maintenance, and high operational costs.

To understand why the Computrac® Vapor Pro® XL, VPXL is redefining moisture analysis, we spoke with AMETEK Brookfield expert Emily Robinson Global Business Development Manager who shared her insights on efficiency, safety, compliance, and sustainability. This interview-style guide captures their perspectives and practical advice for modern laboratories.

Section 1: The Shift Away from Chemicals

Q: Why is the industry moving away from chemical-based moisture analysis methods?

Expert Insight:

"Karl Fischer titration has been the gold standard for decades, but it comes with significant drawbacks—hazardous reagents, disposal costs, and operator risk. Today's labs prioritize safety and sustainability, and VPXL delivers both by eliminating chemicals entirely."

Section 2: Efficiency Gains in High-Volume Labs

Q: How does VPXL improve productivity compared to traditional methods?

Expert Insight:

"VPXL reduces analysis time from hours to minutes. With the Autosampler option, labs can process up to 16 samples consecutively. That's a game-changer for high-throughput environments where speed and accuracy are critical."

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Section 3: Compliance and Audit-Ready Features

Q: What makes VPXL ideal for regulated industries?

Expert Insight:

"VPXL meets 21 CFR Part 11 and ASTM standards, offering secure electronic records, user authentication, and audit trails. Compliance is built into the system, reducing audit risks and ensuring data integrity."

Section 4: Sustainability and Cost Savings

Q: How does VPXL support sustainability initiatives?

Expert Insight:

"By eliminating hazardous chemicals, VPXL reduces environmental impact and operational costs. Labs save on reagent procurement, storage, and disposal—while improving safety for their teams."

Section 5: Future Trends in Moisture Analysis

Q: Where is moisture analysis headed in the next five years?

Expert Insight:

"Automation and eco-friendly solutions will dominate. Labs want faster, safer, and smarter tools. VPXL is ahead of the curve, combining chemical-free operation with advanced data management and multi-sample capabilities."

Conclusion

Experts agree: VPXL is the new benchmark for moisture analysis. By eliminating chemicals, accelerating testing, and simplifying compliance, VPXL empowers labs to operate safely, efficiently, and sustainably.

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