



Preserve What Makes Every Batch *Distinct*

Years of experience shape every blending, aging, and release decision. Mined XAI adds chemical insight to that expertise, helping distillers protect product character, improve consistency, and move forward with greater clarity.



Reveal the Chemistry Behind Your Craft



Define What Sets Your Spirits Apart



Support Better Barrel Decisions

Bring molecular visibility to the aromas, flavors, and structural traits your team already knows through experience.

From raw materials and fermentation to barrel influence and time, every spirit develops a measurable composition. Mined XAI helps uncover the patterns behind those outcomes so decisions can be guided by both sensory judgment and data.

Identify the markers behind the signatures that make your releases recognizable.

Mined XAI maps the compositional features tied to your most distinctive products, helping teams protect quality, communicate differentiation, and retain the attributes that matter most across releases.

Add stronger evidence to the calls that shape every blend.

Custom solutions provide a clearer view of maturation, profile variation, and blend fit, helping distillers and leadership make decisions with more confidence while keeping expert judgment at the center.

See what deeper analysis can add to what *your team already knows*.

minedxai.com

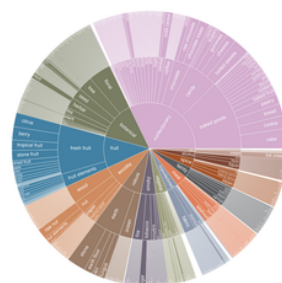
One Platform for the Decisions That *Shape Every Batch.*

Whether you are maintaining a legacy product or developing something new, Mined XAI helps teams combine sensory expertise with chemical evidence across consistency, innovation, discovery, and growth.

Explainable AI (XAI) in action



Understand what drinkers taste so you can craft what they love



CONSISTENCY



Protect the experience customers expect, batch after batch.

Monitor profile stability, blend with greater precision, and detect variation earlier in the process. Mined XAI helps teams maintain alignment across production without flattening the character that defines the product.

INNOVATION



Evaluate promising blend paths before production runs.

Model likely outcomes against sensory and compositional targets so teams can reduce iteration, learn faster, and move new concepts forward with better decision support.

DISCOVERY



Uncover exceptional lots before they disappear into the system.

Identify unusual profiles, preserve standout barrels, and uncover high-value opportunities that might otherwise be blended away before their potential is recognized.

EXPANSION



Build new offerings with stronger market confidence.

Connect chemical attributes to consumer preferences so leadership can spot promising flavor directions, assess whitespace opportunities, and invest with clearer evidence.

Who We Are

Based in Dayton, Ohio, Mined XAI brings decades of experience deploying explainable AI solutions for organizations with complex data challenges.

Our clients don't just adopt AI, they use it to sharpen their competitive edge, uncover opportunities they couldn't see before, and align their teams around decisions that move the needle.

The Mined XAI Difference

- **Explainable by design:** Every recommendation is backed by visible reasoning.
- **Built for production complexity:** Handles variation across batches, barrels, and portfolios.
- **Built to support expertise:** Strengthens team judgment with another layer of insight.
- **Flexible by scale:** Works across a single distillery, a product line, or a full portfolio.