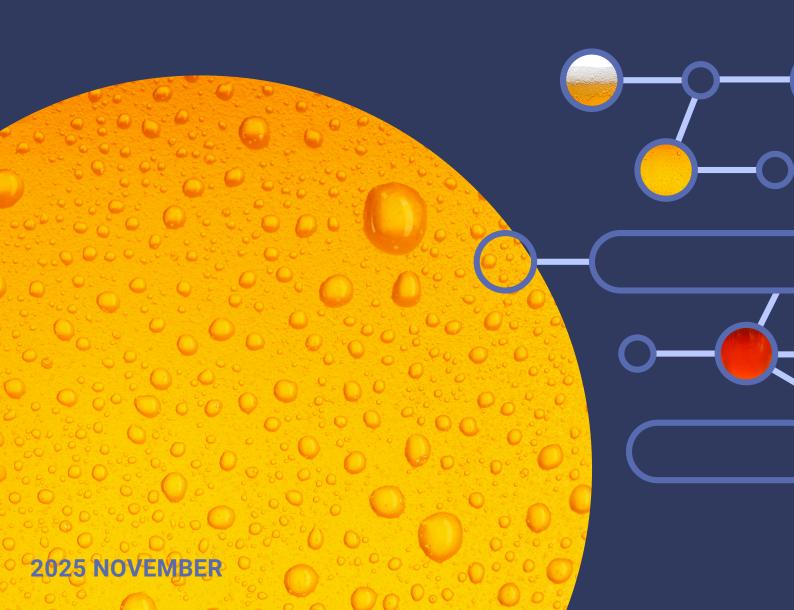




SPEC-IMAGING

REAL-TIME BEER DATA

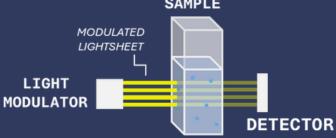




"WE CAN ANALYZE THE BEER - DESPITE THE PRESENCE OF PARTICLES AND BUBBLES"

Tomas Eriksson, CEO SPEC-imaging

TECH SAMPLE MODULATED



Our technology is based on spectrophotometry, but we can also measure the impact of the turbidity - and compensate for it.

The modulated lightsheet + Al-driven neural network → SUCCESS!



Proprietary technology for direct color measurements in turbid beer





- **COLOR** stable EBC readings
- **HAZE** turbidity in all beers
- **YEAST** fermantation control

OPTIMIZING















- Reflects extraction efficiency
- Fine solid carryover monitoring as that can affect flavor and filtration

IMPROVE BATCH CONSISTENCY.



MASHING







- Confirms efficient wort-grain separation. Detects solids that may cause haze or filtration issues later.

INCREASE YIELD AND MAINTAIN PROCESS STABILITY.



LAUTERING









- Ensures sterilization and color stability. Controls evaporation to reach target extract.

OPTIMIZE HEAT INPUT TO MAINTAIN FLAVOR, COLOR, AND YIELD.









- Tracks yeast concentration and cell size. Monitors turbidity to follow fermentation progress.

OPTIMIZE FERMENTATION CONTROL AND FLAVOR BALANCE.











- Measures final color and haze (clarity). Verifies filtration performance and product brightness.

ENSURE CONSISTENT QUALITY AND VISUAL APPEAL.





COLOR 'N' HAZE



- DIRECT EBC*
- FOULING RESILIENT
- BEST DYNAMIC RANGE

Colour span: 0-500 EBC Turbidity span: 0-1000 EBC

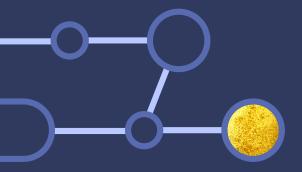
PROCESS STABILITY BATCH CONSISTENCY IMPROVED YIELD



PROTOTYPE LAUNCH 2026

*Both color and turbidity EBC





YEAST

- SIZING INLINE
- ADVANCED TURBIDITY
- NUMBER DENSITY

 Turbidity span: up to 10'000 NTU







PROTOTYPE LAUNCH 2026



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