ABOUT THE QSORTER®

The QSorter® enables rapid, high-speed single-seed analysis—processing up to 30 seeds per second—to assist with:

- Quality inspection
- Breeding selection
- Biochemical property measurement

This advanced technology helps breeders quickly identify desirable seed traits, such as high protein, oleic acid, and total oil content, resulting in more effective field trials.

QSORTER® IN ACTION

MISSION

Showcasing innovative solutions for tomorrow's soybean farmer

VISION

We are committed to promoting and advancing soybean breeding & research, conservation, and technology innovations that maximize Missouri soybean farmer's profitability.

For pricing & further information of the services offered, please contact Clayton Light at the Farm for Soy Innovation.

CONTACT:

Clayton Light
Dir. of Conservation Ag and Farm Operations
P: (573) 301-8359 | E: clight@mosoy.org

MISSOURI SOYBEANS

FARM FOR SOY INNOVATION LABORATORY

QUALYSENSE
QSORTER® SERVICES

The FSI Laboratory offers services utilizing the QSorter® single seed analysis which can save time, money, and therefore more effective use of your research and testing space.

MISSOURI SOYBEANS

Missouri Soybean Association
Farm for Soy Innovation
5601 South Rangeline Road.
Columbia, MO 65109

WHY CHOOSE US?

- **Expert team –** Highly trained professionals in QSorter® analysis
- **Confidential & secure** – Data integrity and privacy ensured
- **Fast turnaround** – Expedite your research needs
- **Affordable pricing** – Competitive fees for superior analysis

FROM THE EXPERT

This technology is a game-changer, helping farmers move from lab to field faster while delivering a strong return on investment.

Matt Wright,
Past MSA President

WHO CAN BENEFIT?

- **Soybean Researchers**
- **Seed Companies**
- **Private Industry**

KEY TRAITS ANALYZED

- **Oleic Acid** – Identify high-oleic soybean varieties for improved oil quality
- **Protein Content** – Select seeds with enhanced protein levels
- **Total Oil Content** – Optimize oil yield and composition
- **Seed Size & Shape** – Ensure uniformity for improved processing and planting
- **Contamination Detection** – Remove undesirable seeds efficiently
- **Hilum Color** – Classify soybean seed by hilum color for breeding and market preferences

FROM THE EXPERT

The QSorter® will enhance our breeding program by identifying high oleic acid seeds more efficiently, reducing the need for costly marker tests.

Brian Diers,
Retired Soybean Breeder

KEY BENEFITS

- **Non-destructive analysis** – Maintain sample integrity
- **Enhanced quality insights** – Get precise data for decision-making
- **Cost-effective research** – Reduce lab expenses
- **Large population testing** – Analyze more samples efficiently
- **Accelerated breeding cycles** – Speed up the selection process
- **Contaminant sorting** – Remove unwanted seeds