

INDUSTRY PROFESSIONAL AND FARMER VIEWPOINTS



“It’s a rugged, simple, straightforward design. It doubled the number of samples we could take per day, while substantially improving the quality of each sample.”

— **Rich Wildman**, Agrinetix Advanced Agronomy & Technology Consultants, Rochester, NY



“The Falcon allows you to sample twice as many acres in a day as two guys hand sampling. It also takes out human error in terms of depth and core frequency and improves the accuracy of the sample. This is especially important for the variable-rate fertility programs we use in our operation.”

— **Bob Stewart**, Stewart Farms, Yorkville, IL



“Typically, we recommend 10 cores to make up a soil sample, but most people take five because of time constraints. The Falcon system speeds up soil sampling, so the time it takes to collect enough cores becomes a non-issue. This system will allow you to increase the number of cores per sample and can be used to produce more samples per field, to get the intensive sampling that will provide the high-resolution soil test data needed for variable-rate precision fertilizer applications.”

— **Harold Reetz**, Reetz Agronomics, Monticello, IL

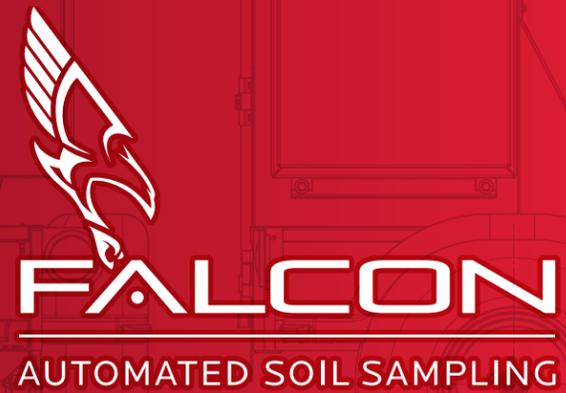


FOR INFORMATION, CONTACT:

Falcon Soil Technology

3 College Park Court | Savoy, IL 61874
phone: 800.284.9611 | fax: 704.753.2016
email: info@falconsoil.com

FalconSoil.com



HIGH-QUALITY
PRECISION
SOIL SAMPLING
MADE SIMPLE

AUTOMATED PRECISION SOIL SAMPLING MAXIMIZES QUALITY

Falcon is a breakthrough in soil sampling technology that delivers better information to support fertility recommendations.

Because Falcon samples precisely, at a uniform depth, its samples give you sharper insight into nutrient levels, grid after grid. Because Falcon is fast, it can cover more acres per day, and help keep time-sensitive fieldwork on schedule.

Falcon transports agriculture from the era of error-prone hand sampling to the future of precision management tools.

THE FALCON SYSTEM: BUILT AROUND THE SIMPLICITY AND RELIABILITY OF THE WHEEL

FLEXIBLE FALCON OPTIONS

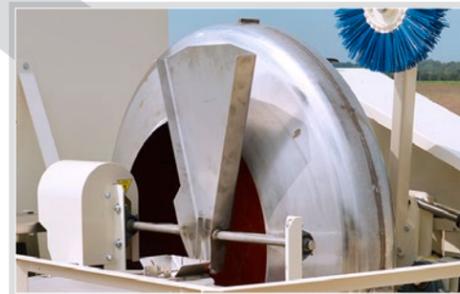
Two Falcon models to fit your needs

Model 1000: All the capabilities you need for precise, efficient sampling. An on-board computer with *Falcon ServiceLink* for remote diagnostics and software upgrades simplifies operation. Optional second probe to take cores every 7.5 feet.

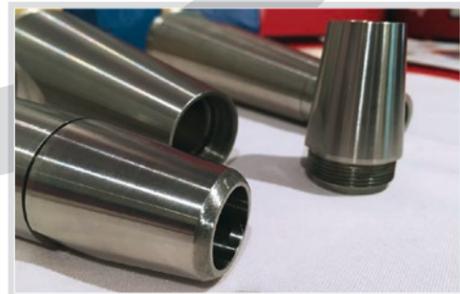
Model 5000: Full Model 1000 features, plus GPS tracking, a barcode reader for sample identification and integration with GPS locations, cloud-based data integration with laboratories and precision ag software.

FALCON SYSTEM BENEFITS

- Ensures excellent sample quality
- Boosts collection efficiency
- Samples more acres per day
- Improves confidence in sampling results
- Minimizes training requirements
- Reduces sampling wait times
- Optimizes yield potential
- Improves input efficiency
- Pinpoints collection location
- Reliable, U.S. based customer support



A ground-driven 5-foot diameter stainless steel drum collects and mixes cores every 15 feet. With an optional second probe, cores are taken every 7½ feet. A constant-contact brush cleans the probe with each pass.



Depending on the desired core depth, a 3 inch to 8 inch stainless steel probe with a replaceable tip deposits a soil core into the stainless steel drum with every revolution.



When the user-defined core count is achieved, a 12-volt motor raises and rotates the drum to assure proper mixing as the Falcon drives to the next sampling site.



After soil is mixed in the baffled drum, a stainless steel funnel lowers to fill the sample into a pre-labeled sample bag, box or plastic container in a 12-position keyed carousel.



The carousel system automatically moves bags, boxes or containers.



The Model 5000 barcode reader (foreground) automatically identifies and synchronizes samples with the GPS location for uploading to soil test laboratories using the Falcon's cloud-based data system.



Reinforced moveable shelves in the weather-sealed rear utility cabinet store samples without cluttering the tow vehicle cab.



The Falcon's weather-sealed e-box includes an onboard Windows computer that controls machine functions via a side-mounted weather-protected touch-screen. Other features: a wireless illuminated video camera, a front-facing alert light, a GPS receiver and multiple data and electrical ports.



The Falcon touch-screen interface and video move full control and visibility into the cab for remote operation and monitoring.



Field operating speeds typically vary from 8 to 15 mph, depending on field conditions. On the road, the Falcon can be towed at normal speeds.

FALCON