

APPLICATION-FIRST SCREENING — SPECIFIED & DELIVERED THROUGH GQI

The machine should meet your application.

Your screening application should be as unique as your screening machine. Not all screening machines are created equal. GQI specs machines from an application perspective — the machine should meet your material, your cut, your throughput, and your process, not the other way around.

Most screening problems are motion problems. Matching the motion to the product is what separates a sharp, repeatable cut from reprocessing.



Three-dimensional tumbling motion

Motion matched to product

Gentle 3D tumbling, high-frequency 3D, or high-frequency 2D — chosen for the material, not the catalog.

Cut before capacity

Sharper, repeatable cuts and higher yield — capacity follows from the right motion, not the other way round.

Anti-blinding, decided early

Ultrasonic, balls, brushes and more — specified at selection rather than retrofitted after a problem.

Prove it first

Material testing and screening trials validate the cut point and throughput on your product before you commit.

Four screening applications

Performance Screening — Tumbler

For fine, friable and hard-to-screen products, gentle three-dimensional elliptical motion tuned on three axes makes dwell time an engineering variable. Ultra-precise repeatable cuts, up to 6 decks and 7 fractions, quiet (~75 dB(A)) and gentle enough for 24/7 duty.

Up to 50 tph · 20 µm – 25 mm · Ø 600 – 2600 mm

Control Screening

Police incoming material at truck receiving and protect outgoing product ahead of bagging and packaging. High-frequency 2D motion with centered product flow delivers safety screening at extreme rates, with low overall height for tight installations.

Up to 200 tph · mesh from 36 µm · 1–2 decks

Classifying & Dedusting

Compact, fast and flexible — classifying into multiple fractions, dedusting granules, pellets and regrind, and wet screening of slurries. FDA-compliant contact materials, quick screen changes, and dust- and gas-tight modular decks for high-value products.

1–3 decks · 20 µm – 20 mm · dry or wet

Laboratory Screening

Keep QC on the same technology as the production floor. Digital electromagnetic sieve shakers stack up to 8 or 16 standard 200 mm analysis screens with the same three-dimensional movement; air-jet lab sieves handle ultra-fine and electrostatically charged products down to 1 µm.

Analysis from 20 µm · air-jet 1 µm – 3 mm

Let's find your machine.

Innovative Solutions. Reliable Support. Always a Step Ahead.

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FIVE PRODUCTION PLATFORMS — ONE PARTNER

From fine powders to 200 tons an hour.

	KTS Tumbler	KTS-VS2 Control Screener	KTS-V2 Control Screener	KTS-VS Vibrating Tumbler	KTS-V Vibrating Tumbler
Motion	Gentle 3D tumbling 180–280 min ⁻¹ · 1.3–1.8 g	High-freq. 2D 1,500 min ⁻¹ · 4–6 g	High-freq. 2D 1,500 min ⁻¹ · 4–6 g	High-freq. 3D 1,500/3,000 min ⁻¹ · 3–6 g	High-freq. 3D 1,500/3,000 min ⁻¹ · 3–6 g
Decks / fractions	Up to 6 decks 7 fractions	1–2 decks	1–2 decks	1–3 decks up to 4 fractions	1–3 decks up to 4 fractions
Feed rate	Up to 50 tph	Up to 200 tph	Up to 200 tph	Up to 10 tph	Up to 10 tph
Mesh openings	20 µm – 25 mm	36 µm – 20 mm	200 µm – 20 mm	20 µm – 20 mm	20 µm – 20 mm
Model sizes (Ø mm)	600–2600	600–2000	450–1500	600–1200	450–1500
In its element	Fine, friable & hard- to-screen products; precision multi- fraction classifying	High-capacity control with centered flow and low overall height	Safety screening at extreme rates — bagging lines & truck receiving	High-value products; dust- & gas-tight click-on modular decks, quick changes	Control, dedusting & wet screening; fast on-site remeshing with twin-clamp rings

Laboratory platforms — same technology on the QC bench. **KTL** digital electromagnetic sieve shaker: analysis from 20 µm, up to 8 or 16 standard 200 mm screens, 200 / 300 / 400 mm models, dry or wet, with the same three-dimensional movement as the production machines. **KLS 200** air-jet lab sieve: ultra-fine and electrostatically charged products, 1 µm – 3 mm feed sizes, rotating air-jet nozzles that prevent blinding. Both delivered ready to operate, with interval and timed operation for repeatable QC.



KTS



KTS-VS2



KTS-V2



KTS-VS



KTS-V

Prove it before you buy it

GKM's test facility runs many customer trials a year. Send the product, define the cut, and see the result on your own material before a machine is specified — scaled and material testing both available through GQI.

Anti-blinding options · ultrasonic deblinding · bouncing balls · brushes · sliders — specified at selection, not retrofitted after a problem

Powered by GKM Siebtechnik. GQI is the North American partner for GKM Siebtechnik — precision screening machines proven across pharmaceuticals, battery materials, food, chemicals, plastics, recycling and abrasives, with sales, screens and service coordinated by GQI across North America. Replacement screens and rescreens for GKM and most other screener makes are a full GQI program in their own right.



Configure it
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Configure a screening machine.

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