

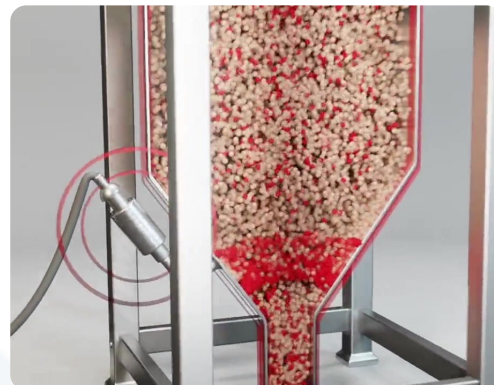
PARTNER BRAND — ULTRASONIC TECHNOLOGY FOR BULK SOLIDS

Break the friction, not the equipment.



Artech Ultrasonic Systems AG is a Swiss specialist in ultrasonic technology for the bulk solids industry. Its patented systems apply ultrasonic excitation to screen meshes, hoppers, chutes, and cutting tools — minimizing the friction forces that make fine powders blind screens, bridge in silos, and hang up in transfer points.

GQI delivers Artech technology throughout North America — as flow-promotion solutions, as ultrasonic screen retrofits, and factory-integrated on new GKM screening machines. Ultrasonics is GQI's in-house specialty, so the first question is always whether it actually fits your problem.



Bridging, solved ultrasonically — the Artech Flowsonic in action

One technology, boundless applications

Screens, hoppers, chutes, dosing lines, cutting tools — and more of them every year.

Gentle on the equipment

Low amplitude at high frequency — no hammering, no structural fatigue.

Retrofits, not replacements

Fits new or existing equipment in any geometry — including screen decks already in service.

Lower energy draw

Less energy than pneumatic and mechanical flow aids doing the same job.

Where the technology goes to work.

Stuck on a screen or stuck to a wall — the fix is the same high-frequency micro-vibration, and it breaks static friction without punishing the equipment or the product.

Ultrasonic Screening

Ultrasonic excitation keeps the sieve mesh clear longer and increases separation efficiency on fine, blinding-prone powders — retrofittable to existing screen decks.

Round & rectangular formats

Cool Sieve Screen Frames

The patented Cool Sieve clamps the screen in a fully isolated outer ring — optimal vibration transmission, cool running in prolonged operation, and nothing mechanical in the product-contact zone but the mesh.

OEM builds for additive manufacturing & powder coating

Flowsonic® Flow Aids

Mounts to hoppers, silos, chutes and dosing equipment to prevent bridging, ratholing and wall caking — cleaning continuously in operation for steadier discharge, accurate dosing, less waste and better yields.

Hoppers · feeders · weighing hoppers · dosing pipes

Ultrasonic Cutting

The same excitation principle applied to cutting tools for foodstuffs — clean separation without product drag on the blade.

Food cutting systems

Sharper screening. Cleaner discharge.

Innovative Solutions. Reliable Support. Always a Step Ahead.

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FLOWSONIC®, SCREEN DEBLINDING & FIELD TRIALS

Prove it on your powder first.

Flowsonic® — prevent the arch instead of breaking it

Instead of waiting for an arch to form and then breaking it, the Flowsonic applies high-frequency, low-amplitude ultrasonic vibration at the vessel wall — keeping the powder in motion so bridging is avoided before it starts. A compact transducer clamps to the cone, feeder, or dosing tube; no hammering, no structural fatigue. Field applications include titanium dioxide, cocoa powder, calcium carbonate, zeolite, vitamin mixes, and chemical powders.

GQI offers tabletop demos and field trials · proactive, not reactive · compact clamp-mounted transducer · suits hoppers, feeders, weighing hoppers & dosing pipes



Ultrasonic screen system & generator



Flowsonic transducer, clamp-mounted



Flowsonic generator



Tabletop demo on customer material

Four ways GQI puts it to work

Flow-promotion solutions

Flowsonic alongside the rest of GQI's flow-promotion toolbox — vibration, mechanical action and aeration — matched to the hang-up, not the habit.

Screen debinding & retrofits

Ultrasonic screen systems and retrofits that keep blinding-prone meshes cutting, specified alongside your replacement screen program.

Factory-integrated on new machines

Ultrasonic debinding fitted at the factory on new GKM screening machines, so the anti-blinding decision is made at specification rather than after the fact.

Factory-certified field service

Installation, commissioning and support for Artech systems delivered by GQI in North America — plus generators, transducers and shielded HF cables from stock.

Where ultrasonics earns its place. Fine and blinding-prone powders · cohesive and hygroscopic products that cake on the wall · dosing and weighing equipment where accuracy depends on steady discharge · vessels where hammering or heavy vibration is unacceptable. Where it does not fit, GQI will say so and source the flow aid that does — the recommendation stays honest.

Blinding screens, bridging hoppers, or erratic dosing? Describe the hang-up — the material, the vessel or deck, and what has already been tried — and GQI's engineers will scope the ultrasonic fix, or tell you it is the wrong tool.



Email us
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Schedule a trial or demo.

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