

AUTOMATIC SAMPLERS

Designed with precision, built by hand

QCEC delivers precision to manufacturers that receive bulk raw materials, blend raw materials or manufacture by continuous or batch process.

No matter the manufacturing condition – powders, granules, pellets, chips, grains, pharmaceuticals, plastics and food products – QCEC understands the unique sample needs in gravity flow lines, screw conveyors, hoppers, drop-out truck and rail loading chutes, pipelines, silos and tanks. Our experienced sampling specialists provide professional recommendations to help you achieve your particular sampling and monitoring results. We can help you determine the right sampler for the job, based on your unique sample characteristics, including material flow, pressures, space availability and sampling location.



Then we build every dry material sampler by hand to ensure it meets your tough standards for trouble-free performance.

Contact our sampling specialists to customize a durable QCEC sampler for your operation.



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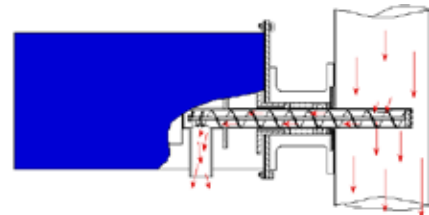
Quality Control Equipment Company

Use the chart below as a guide to choose the best sampler for your specific application.

Samples	From	QCEC Model	Drive System
Granules Pellets	Pneumatic Conveying Lines	RTA-2	Air
Powders	Pneumatic Conveying Lines	RT, RTR, RTRD-3 RT Manual	Air Manual
Powders	Gravity Conveying Lines	TS-3, TSR-3, TSR-3 Sanitary	Electric
Powders	Gravity Conveying Lines	TS-3A, TSR-3A	Air
Grains Granules Pellets	Gravity Conveying Lines, Sloping or Vertical	GF-3, GFR-3 GF Retractable, GT Retractable, MR-GF GF Retractable Manual	Air or Electric Air Manual
Grains Large Granules Pellets	Gravity Flow, Large Volume	DC, DD-2	Air or Electric
Grains Pellets Powders	Screw Conveyors and Drag Conveyors	SG, SG Manual	Air
Liquids	Pipe Lines/Tanks	LF, LL, LL-50	Air or Electric

RT, RTA-2

RT and RTA-2 dry material samplers are made to sample from pneumatic lines and conveyors, either positive or negative. These fully automatic air-operated samplers deliver accurate, frequent samples with no metal-to-metal contact between parts. The RTA-2 ejects the sample with a controlled jet of air. At rest position, the sample tube is out of the process line. The RTA-2 is completely explosion-proof so it's perfect for hazardous locations. The RT discharges the sample by an auger. At rest position, the sample tube is out of the process line.



RTRD-3

The RTRD-3 sampler delivers an unlimited sample volume from pneumatic lines because the sample is being discharged while the tube is extended into the conveying line. Between sampling cycles, the sampling tube is retracted from the line, creating no obstruction to the conveying system. This model also includes dual, heavy-duty air cylinders.

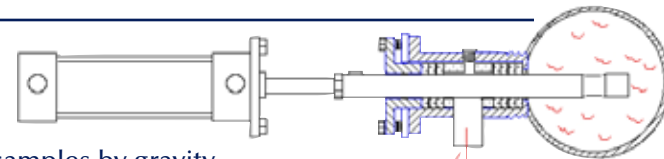
TS-3, TSR-3

The TS-3 and TSR-3 electric-powered tube and screw samplers are designed for sampling powders and granules from gravity flow locations. The TS-3 mounts on two sides of the chute and features a 1.5-inch OD stainless steel sample tube with a full-length sample slot opening and an internal stainless steel auger. These low-maintenance samplers require very little headroom, and adapt easily under hoppers or tanks. Optional heavy-duty sample tubes, drives and a variable-speed auger motor are also available.



Series L

The L Series is a time-proven line of liquid sampler units for pressurized lines. They are air- or electric-operated, and expel samples by gravity into a receptacle located beneath the sampler. The Model LF takes a 4cc sample; Model LL, a 15cc sample; and the Model LL-50, a 50cc sample per cycle. The maximum line pressure is 40 psi.



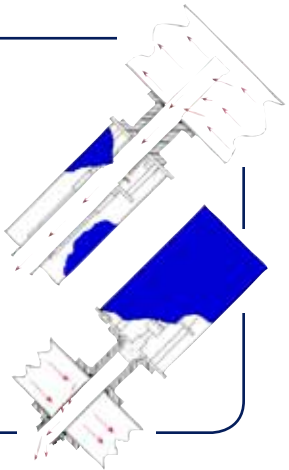
TS-3A, TSR-3A



TS-3A and TSR-3A models are air-powered tube and screw samplers for sampling powders and granules from gravity flow locations. The TS-3A mounts on two sides of the chute while the TSR-3A mounts on one side of the chute. Both feature a 1.5-inch OD stainless steel sample tube with a full-length sample slot opening and an internal stainless steel auger.

GF-3, GFR-3, GF Retractable

For sampling grains, granulars and pellets, GF-type samplers offer different mounting options, and are designed simply. They feature a 316 stainless steel tube mounted at a 45-degree angle to the material flow and a slot that faces downstream between sampling periods. When signaled by the control system, the tube rotates 180 degrees so that the slot faces directly into the material flow to capture a cross-sectional sample which flows by gravity into a collection vessel. Models are available in air- or electric-drive systems. The air-operated GF Retractable retracts back into the mounting spool between cycles and is available for vertical or sloping lines.



DC, DD-2

Delivering a true cross-cut sample of your material flow, these air- or electric-drive samplers are available in sizes to match your chute. Secondary splitters are available. The DC and DD-2 samplers can be supplied in mild steel or stainless steel, and can sample materials up to two inches in size.



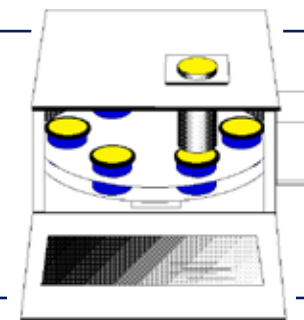
SG

The SG is an air-operated sampler built for sampling of screw and drag conveyors. When the control system activates the sampler, a sliding door opens and allows a fractional amount of product to flow through the machine into a sampler container. This inexpensive sampler is custom-made for your mounting.



Discrete Sample Carousel

Whether you need single or composite sample holders in glass, plastic or plastic bags, QCEC has a discrete sample carousel that fits your needs. Our systems are as custom as your imagination, but all use a precision, air-driven indexing table that can be set for any number of positions.



Sample Receivers

Sample containers, two-bottle receivers and plastic bag holders are available in stainless steel or plastic. A variety of inlet sizes are available to match sample discharge sizes.

