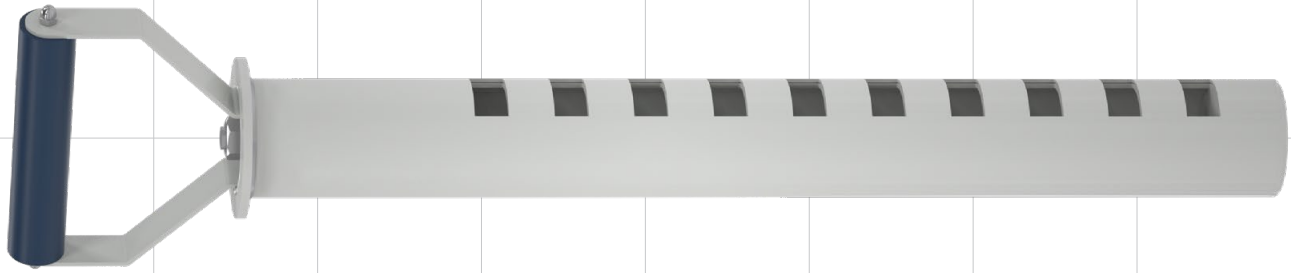
Powder Sampler



QCX® PSI100 INSPECTION SAMPLER – POWDER

The PSI100 Inspection Sampler is for sampling granular materials, such as cement and raw meal from a chute. It is also suited for use with other free flowing material, including milled limestone or ore with a small particle size.

Thanks to its rugged design, the Inspection Sampler can be used in all conventional sampling points within chutes where the temperature is below 120°C. The capacity for multi-point sampling gives you excellent quality control. This is managed by manual, predefined sample-taking processes and can be relied upon for providing reproducible and representative samples.

The safety-focused mechanical design also ensures your operators are not exposed to material flow, protecting them from hot and hazardous conditions.

Ultimately, this is an ideal tool for ensuring processes are correct, as well as cross-checking other automatic samplers and comparing sample properties.

ADVANTAGES

- **Cost-efficient**: the Inspection Sampler offers a highly representative multi-point sampling solution for only a low upfront cost.
- **Robust**: smartly made from a simple design and high-quality materials, the Inspection Sampler is easy to use and reliable over long-term exposure to harsh sampling conditions.
- **Safe**: your operators are not directly exposed to material flow, which greatly reduces health and safety risks.

REPRODUCIBLE AND REPRESENTATIVE SAMPLING

How it works

The Inspection Sampler is designed to take a representative sample over the complete cross-section of the chute.

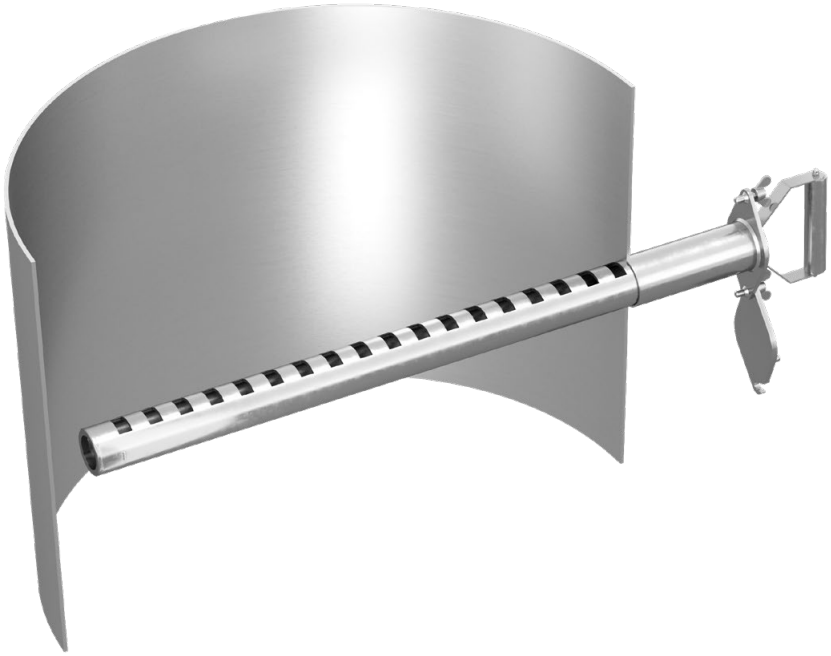
The sampler is closed as it is inserted into the chute by a closable flange. Once fully inside the chute, the sampler slits are opened to collect the sample. Finally, the sampler is retracted from the chute and the sample material is discharged into the bucket.

Possible configuration

Rugged and straightforward design means the Inspection Sampler be installed in conventional sampling points of any chute.

Specification

Sampler length	150, 185, 220, 255, 290, 325, 360, 430, 465, 500, 535, 605, 710 mm
Sample material	Dry, non sticky, up to 120°C, top size 2 mm
Sampling location	Vertical chute with free falling material
Sample type	Spot sample
Sample quantity	0.2 – 1.2 (According to sampler length)
Sample frequency	On demand
Operating conditions	Temperature: -20°C to 55°C Humidity: 0 – 100 %
Weight	Approx. 3 kg
Dimensions (W x D x H)	Max. 910 x 140 x 140 mm



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