



QCX[®] PSC101/111/112 MKII CLINKER SAMPLER

The PSC Clinker Sampler takes samples of coarse, free-flowing granular material from a vertical falling material stream. Electrically powered for easy and efficient movement, the sampler is ejected on demand into and out of the material flow. A reliable performer, there is no risk of failure, blockages in the material flow or damage of the sampler.

The spoon that collects the sample has a 10-litre sample volume, making it larger than the spoons in other samplers in its class. This means the sample is not only larger, it contains the full range of particle size distribution. The sample truly is representative of the material flow.

The Clinker Sampler supports your sampling efficiency and can collect up to six samples per hour. Typically used with materials up to 40 mm in size and ranging in temperature from 80 – 200°C, the Clinker Sampler has proven its ability to perform in harsh environments and offer a long life.

ADVANTAGES

- **Reliable and robust:** the Clinker Sampler is engineered to handle high temperature sampling and to perform reliably, without interruption to the material flow or damage to the sampler.
- **Representative sampling:** the large sampling spoon, with its 10-litre sample volume can collect the full range of particle size distribution ensuring truly representative sampling.
- **QCX integration:** the Clinker Sampler seamlessly integrates with your automated QCX system to maximise your sampling accuracy and efficiency.

HIGH REPRESENTATIVE SAMPLING FOR QUALITY AND PROCESS CONTROL

How it works

After being processed by a crusher, the free-flowing granular material is sampled by the Clinker Sampler from the chute. The sampling spoon enters the flow and retrieves a precise volume and representative sample, with full range particle size distribution.

Possible configurations

Manual Spoon and Bucket Clinker Sampler (PSC101)

The Clinker Sampler may be integrated with a designated sample collection container, further enhancing its ease of use.

Manual Clinker Sampler w/ prep. tower (PSC111)

The Clinker Sampler can also support an automatic sampling and sample preparation system with the use of a designated sample contained for manual transport, promoting further efficiencies.

Automatic Clinker Sampler w/ prep. tower and Automatic Sending Station (PSC112 Mk II + PTS102)

When integrated with an automatic sample transport sending station for automatic sample collection, sampled material is transported in a carrier via pneumatic tube transport system to laboratory, saving time and minimising waste.

SPECIFICATION

Stroke	600 mm	1,200 mm
Sample material	Dry, non-sticky, up to 200°C, top size 40 mm	
Sampling location	Chute after the crusher	
Sampling type	Spot sample	
Sample quantity	10 l	
Sample frequency	< 6 samples / hour	
Power supply	3 x 380 – 500 V; 50/60 Hz	
Compressed air supply	0.6 – 0.8 MPa (Quality 1.4.1 as per ISO 8573-1)	
Operating conditions	Temperature: -10°C to 40°C, optional: -20°C to 55°C Humidity: 35 - 75%	
Weight	Approx. 300 kg	Approx. 400 kg
Dimensions (W x D x H)	950 x 600 x 1,700 mm	950 x 600 x 2,900 mm

