

Auger Sampler

Sampling equipment for sample retrieving from coal trucks and rail cars



The samples are retrieved using the hydraulic boom arm with auger assembly. Unique design ensures retrieving samples from any place and any depth inside the coal trucks or rail cars using the method of submerged auger sampling, which ensures fast sampling and representative samples.

➔ Basic description

The sampler enables to retrieve and process the coal sample from any place and any depth of the truck in conformity with the international standards.

The sample is being retrieved by the auger assembly installed on the hydraulic boom arm. The standard auger length is designed to sample coal at maximum depth of approx 2.5m.

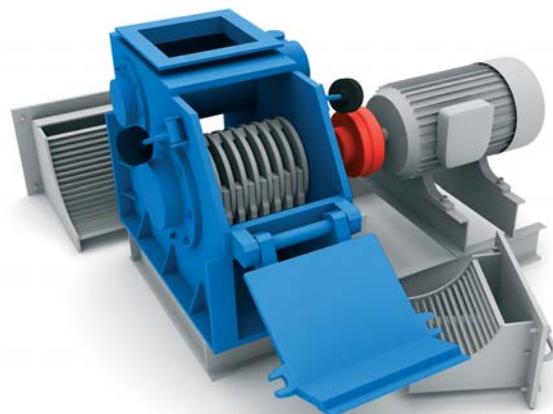
The sample is transported by the slide chute into the sample processing system after sample retrieval. The system contains hammer mill to reach the granularity from 0 to 3mm and the quartering separator to prepare the samples for the laboratory. The residual sample is transported by the output belt with Enelex gamma-ashmeter for immediate sample evaluation. The sampled coal is then returned to the technology after evaluation.

Technical characteristics

Outer dimensions	5,5 x 6,3 m
Total weight	14 570 kg
Hydraulic boom arm length	7,2 m
Side distance range	3 m
Auger diameter	30,5 cm
Auger speed	170 rpm
Power feed	3 NPE 400 VAC, TN - S, 3 PEN 400 VAC, IT
Controlling	Automatic PLC system

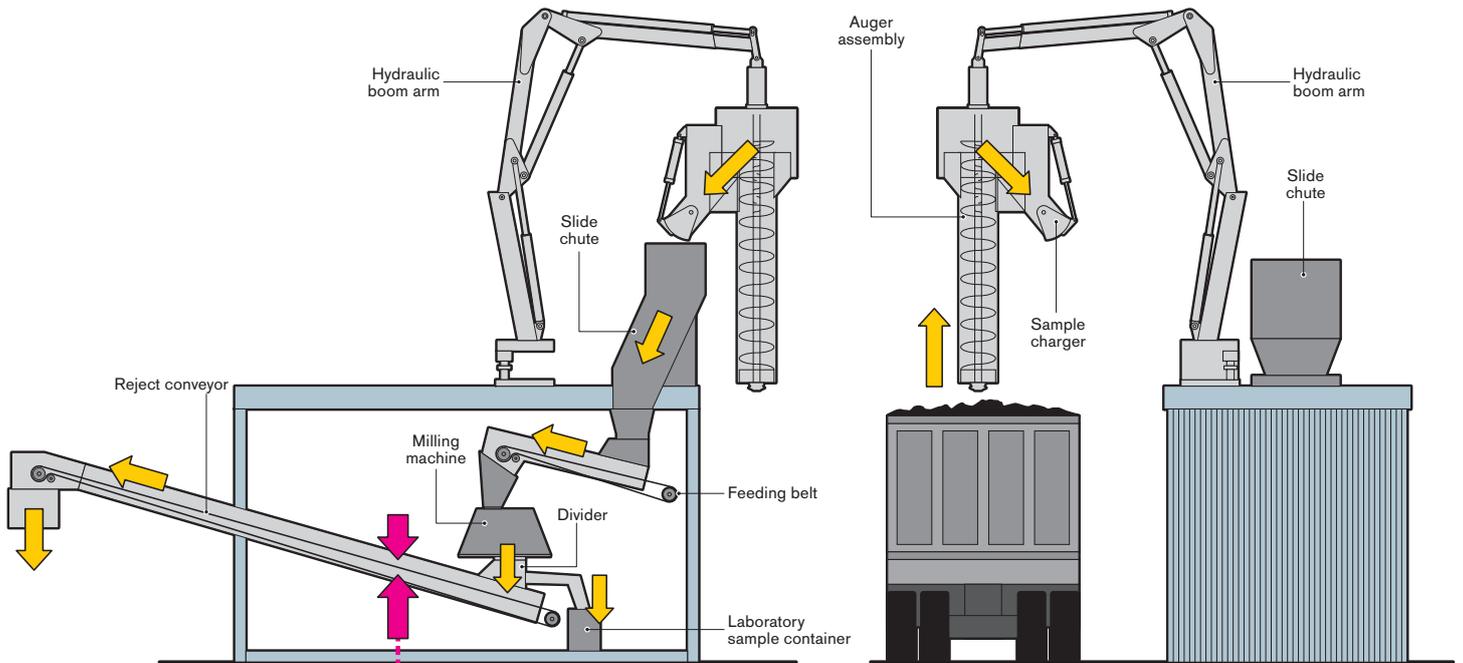
➔ Advantages

- ♦ Sample retrieving in any depth
- ♦ Operation with a variety of coal quality, including wet or frost coal
- ♦ Fast sampling cycle time
- ♦ Complete sample processing in one cycle
- ♦ Sample environmental protection
- ♦ Simple operation and maintenance
- ♦ Only one operator is required



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Online analyzer

