

Auger Sampling Systems



Coal Truck Auger Sampling System



Mobile Unit Train Auger Sampling System

Auger Sampling Systems solve the problems associated with hand sampling whether you are sampling from stock piles, trucks, ships and rail cars. It is difficult to get a representative sample from any of these applications without the use of this type of system.

Auger samplers collect a vertical increment of coal. This single unit of coal can from a rail car or truck where the sample can be collected from the top of the pile to the bottom.

Operating Principle:

Hydraulic controls allow primary sample-auger to cut into the coal pile to extract sample. After the coal hopper mounted on the top of the auger is full, the auger is lifted and moved to the receiving coal hopper and the samples are released. The coal sample is fed to the crusher through primary feeder and after crushing, the coal is fed to the secondary feeder. During the conveying process, the coal is reduced by secondary sampler. The final sample is fed into sample collector and the remaining coal is sent to the reject system.

System Components:

Auger sampling system components include the following: hydraulic auger control equipment, coal collector, primary feeder, crusher, secondary feeder, secondary sweep sampler, sample collector, material rejection equipment, hydraulic control station and electrical controls. The hydraulic auger control equipment can be single point type or multiple point type.

Safe, Accurate Sampling from Stockpiles, Trucks, Railcars and Ships.

WHY SAMPLE?

- Assures that material meets specifications.
- Meets the demands of producers and consumers.
- Safe, reliable and automated operation.
- Reduces downtime related to "Stop Belt" sampling.

FEATURES & BENEFITS

- Meets ASTM & ISO specifications
- Heavy duty construction
- Customizable to suit any application
- Simple design and installation, can be retrofitted to new and existing applications
- Fixed or portable with trailer structure
- Low maintenance design
- Operator or automatically controlled