

PRODUCT SPECIFICATIONS

INGEPROA Auger Sampler. Model ASS

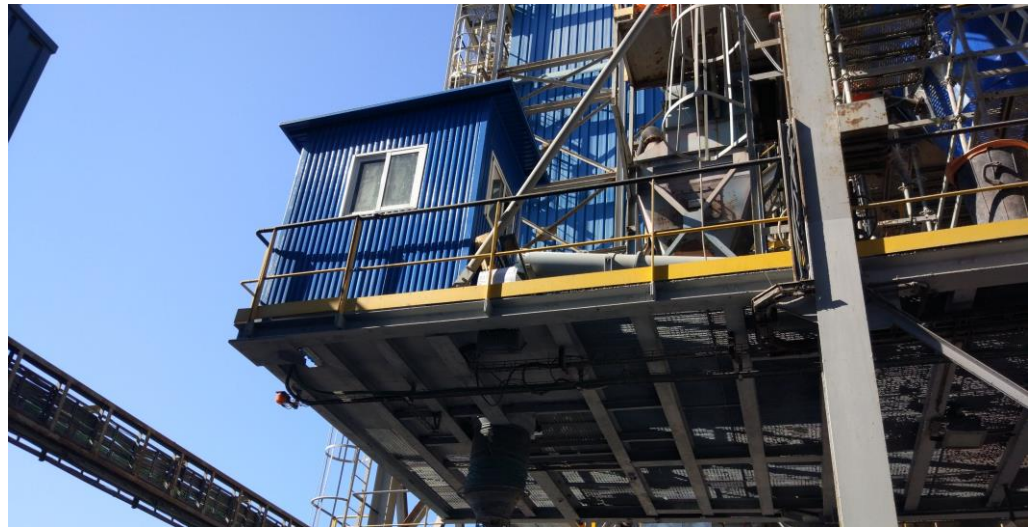
Strong Extractor for a Bulk Material.

Drilling without limits

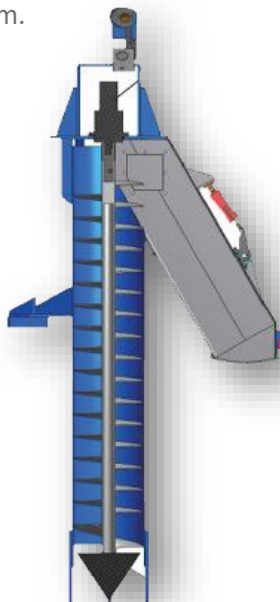
The INGEPROA ASS auger is designed to mechanically extract a vertical column of Bulk Material from the truck as it passes under the auger. INGEPROA ASS Auger Sampling System is a heavy-duty device and has been proven to efficiently extract run-of-mine mineral sample increments. Even under the most demanding field conditions, ASS has proven that the equipment can maintain a consistent availability of over 99% when properly operated and maintained.

Features

- Maximum Capacity: up to 2000 Kg
- Power supply 230/400VAC, 50Hz, 4,5 Kw (Pending calculations)
- Angle of Rotation: 359°
- The probe and screw conveyor are equipped with drives and frequency inverter.
- Equipped with electronic sensor for protect operator.



The complete equipment include: Test Probe, Hydraulic crane, Complete steel no corrosion supports, Electrical Control cabinet with full LCD panel operator and hydraulic complete system.



An auger is a vertically oriented section of spiral flighting that rotates within a section of pipe. The bottom end of the flighting projects out of the tube slightly and has a wear-resistant cutting head that loosens material to be sampled and directs it up into the bottom of the auger tube. Sample material then travels up the auger tube until it reaches the top. If the full auger increment is to be collected, the material is diverted from the top of the auger tube into a sample collection hopper, which is installed on the side of the auger.

If the auger increment is to be split, the material passes from the top of the auger tube and through a fixed splitter, where the reject portion falls back into the material being sampled. The save portion is collected in the auger sample hopper.



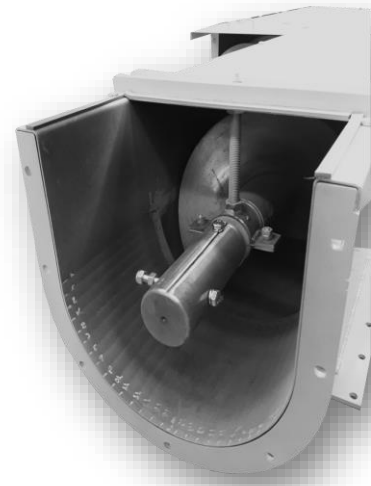
INGEPROA Auger Sampling system (Model ASS)

Auger sampling system ASS

Specifications	
Angle of Propeller	20 - 30°
Performance	80%
Pitch	50 – 300 mm
Propeller diameter	200-500 mm
Axis diameter	100-300 mm
Lenght Auger	1000 – 4500 mm
Auger capacity (Sample Flow rate)	150-850 Kg/Hold
Power Supply	240-400 VAC +/- 10%
Drilling system	Included. Motor power 90Kw
Operational temperature	-40 to 40°C

Sample augers are incorporated into a wide variety of applications but are most frequently used to sample transport containers for bulk materials.

These containers could be truck railcars, open top shipping containers, or any other bin type of container.



To maintain optimal product performance, you need immediate access to experts worldwide, as well as priority status when your air quality equipment needs repair or replacement. We offer comprehensive, flexible support solutions for all phases of the product life cycle. Through predictable, fixed-cost pricing, our services help protect the return on investment and total cost of ownership of your Thermo Scientific products. For more information on our comprehensive. Service solutions visit ingeproa.com



Since material to be sampled is already loaded for transport, sampling applications are typically in as-shipped or as-received situations. Bulk materials that are frequently handled include coal, coke, crushed ores, metal and non-metal concentrates, salt, potash, wood pellets and other dry bulk materials.

INGEPROA AUGER SAMPLING works in combination with Primary and secondary sampling systems, PSS and SSS

It is extremely important during the separation and processing to make sure you fully understand the mineralogy of the ore and final product requirements, which is why Ingeproa´s employs a team of process engineers to ensure your operation is as efficient, productive and profitable as possible.

Ingeproa´s line of minerals processing equipment can be used in all stages of the process. From crushing and sizing to sampling and dewatering, each piece of Ingeproa equipment ensures that you will recover the maximum amount of valuable minerals.

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