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SINGLE STAGE COAL MECHANICAL SAMPLING SYSTEM

DUAL LANGUAGE

ENGLISH

INDONESIA

- **Touch Screen Operation, reduce 60% Human Error Operation**
- **User Friendly, Easy Maintenance**
- **24 Hours, 7 Days operation, One Year /2000 hours Warranty**
- **Better Material with Fair Prices**
- **Dual Language (Indonesia & English)**
- **Optional with Rotary Canister Sample**



Catalog No. SSS-TB-DL-2019



pt. Penta Inti Persada

Better Design, Better Material, Fair Price

Jl. Raya Mustikasari No. 148 Bekasi 17157
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Equipment Manufacturer
Engineering Contractor
Industrial Automation

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PENTA Primary Sampling

*Safe, Accurate Sampling
From Your Moving Conveyors*



Made in Indonesia

PENTA SAMPLING OVERVIEW

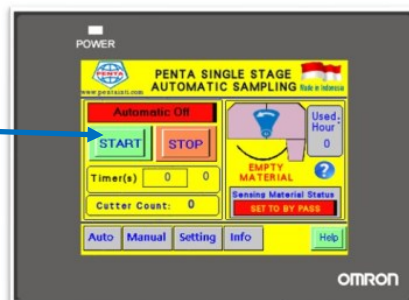
PENTA Sampling systems made in Indonesia with mission simple, single stage sampling to multistage systems incorporating crushing, discrete subsampling and reject handling. They can be found at a wide variety of mines, docks, ports, and power plants world wide in sampling applications for coal, coke, stone, and a variety of ores.

Durability Guarantee, 24 Hours, 7 Days Operation

PENTA Sampling systems with high quality part, standard procedure fabrication to make the equipment work in 24 hours / 7 Days non-stop.

Touch Screen Model

PENTA Sampling systems use touch screen Panel, reduce 60% human error operation



International Standard Method

- Equipment work with according ASTM / ISO Method Procedure

High Quality Steel

PENTA Sampling systems made with Stainless Steel SS 304 & Mid Steel, high precision fabrication with Laser cutting technique to guarantee precision equipment, Marine Coating Painting, high welding technique, experience engineer.



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SPECIFICATION & FEATURE

Durability Guarantee, 24 Hours, 7 Days Operation

PENTA Sampling systems made with Europe Electrical Motor & Brake System.

Computerized system with Programmable Logic Controller

- Accurate, less electrical wiring, easy maintenance
- User Friendly Operation
- Accurate Digital Timer
- Fully Monitor all the system, safe for operator



Standard Specification

- **Type** : Cross Belt
- **Motor** : Electric Motor with Brake system, Sumitomo - Japan
- **Gear Box** : Ratio Gear Box Cyclo Drive Sumitomo - Japan
- **Power** : 4 - 22 KW 380V 50Hz 1440rpm, 440V 60Hz,
- **Thicknes plate** : 2 – 5 mm
- **Structural frame** : UNP100 - 150 mm
- **Rotating Scoop and Flexible wiper**
- **Material** : coal, coke, stone, and a variety of ores
- **Belt Capacity** : Up to 2500 TPH
- **Belt Speed** : 1.5 - 5 m/s
- **Belt Width** : Meet to All Conveyor Size
- **Material Sensing** : Mechatronic Conveyor Streaming Sensor, with proximity sensing
- **Standard Dimension** *)
 - 2100 mm Width
 - 1700 mm Length
 - 1000 mm Height

*) Note : Dimension, power electric motor are variable base on Conveyor Size Customer



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ELECTRICAL CONTROLLER & OPERATION SOFTWARE :

CPU : PLC

Display : Touchscreen Human Machine
Interface (HMI)

Operating Mode :

- **Timer Basis** : Digital timer built in HMI

Operation Mode : Touch Screen Operation

Controller Capability :

- Capable control to Primary Sample & Rotary Canister Sampler

Operating Status :

Automatic or Manual operation, Stand By

Software Feature :

- Scoop Parking Calibration
- Conveyor Material Sensing
- Used hour meter

Upgradable with standard Methodology

Diagnostic system :

- Interlock for fail / error equipment or fail operation

Fully Monitor all the system, safe for operator.

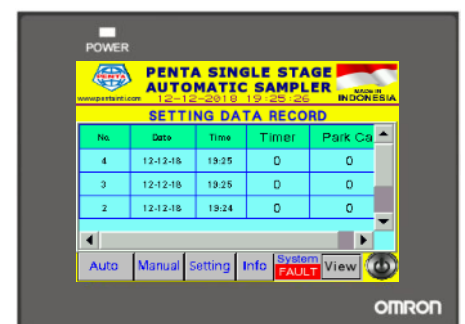
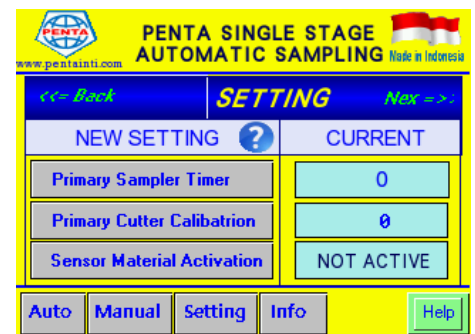
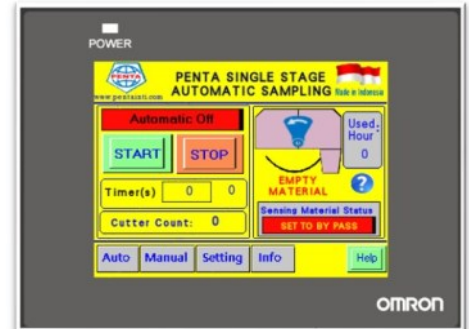
Emergency Stop

Calibration : Cutter / Scoop Position Calibration

Analog Indicator : Pilot Lamp for Power Pole,
Automatic On, Automatic Off

New Feature :

- Dual Language (Indonesia & English)
- Reporting system



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Our Project Reference

1. PT. Mandiri Inti Perkasa - Tarakan (4 Unit)
2. PT. Kitadin - Kutai Kertanegara (1 Unit)
3. PT. Krakatau Engineering - Cikande Harbor (2 Unit)
4. PT. Asmin Bara Bronang - Palangkaraya (2 Unit)
5. PT. Multi Guna Maritim - Banjarmasin (1 Unit on Floating Conveyor)
6. PT. Semen Tonasa - Makasar (1 Unit)
7. PT. Indonesia Power - Suralaya (1 Unit)
8. PT. Pelita Samudera Shipping (1 Unit)
9. PT. Indonesia Power - Lontar, Tangerang (1 Unit)
10. PT. Indexim Coalindo - Sangatta (2 Unit)
11. PLTU Bangka Belitung (1 Unit)



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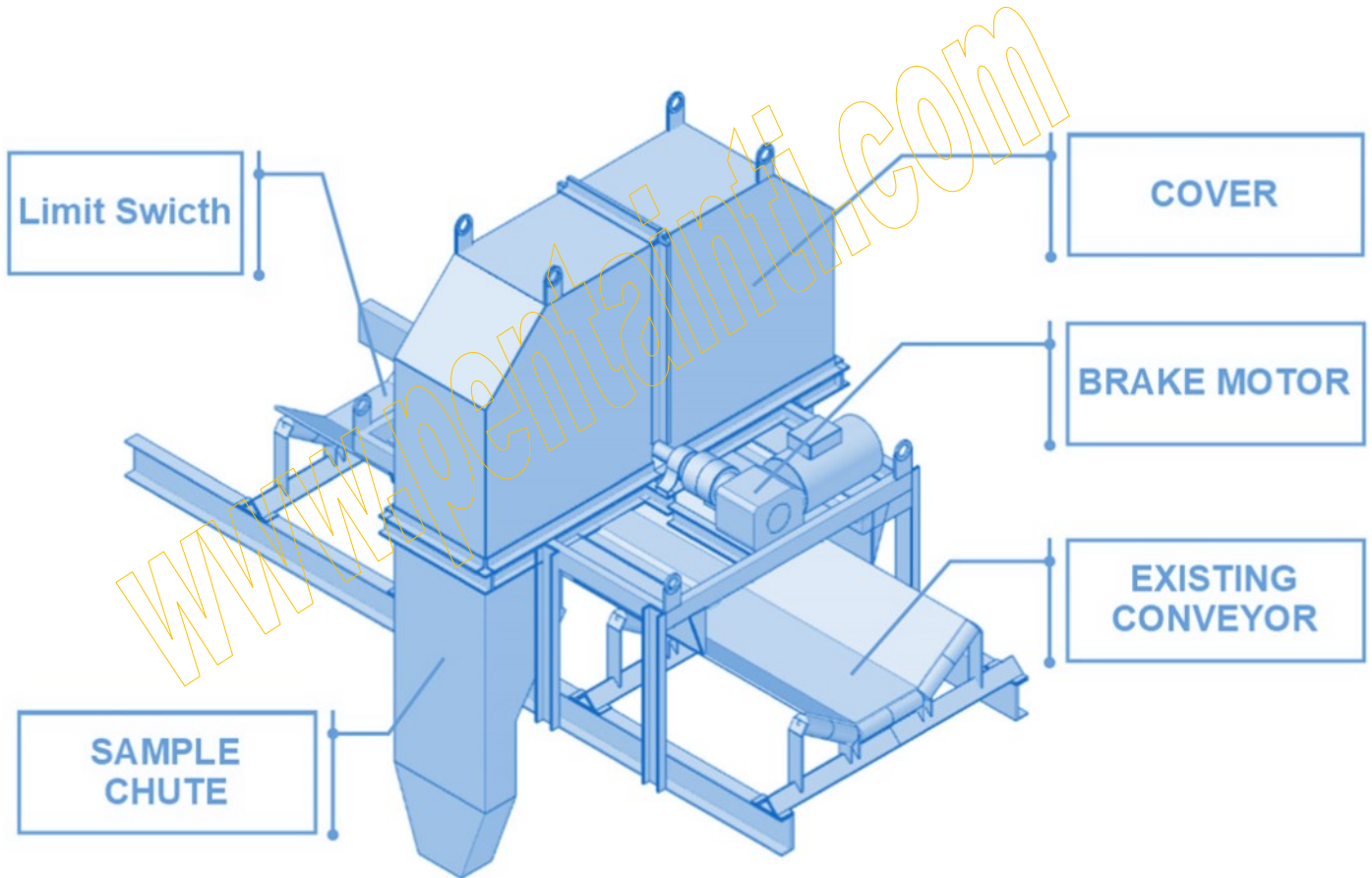
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GENERAL ARRANGEMENT DRAWING



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Our Product Group

Mechanical Sampler



- Primary Sampler
- Multi Stage Mechanical Sampling
- Rotary Tube Secondary Sampler
- Automatic Rotary Canister
- Maintenance Contract Services



Mining Equipment

- Stone Crusher
- Coal Crusher
- Conveyor System
- Radial Stacker
- Belt Scale
- Truck Scale / Weighbridges
- Laboratory Mining Equipment

Concrete Batching Plant



- Stationary Concrete Batching Plant
- Mobile Concrete Batching Plant
- Concrete Mixer
- Semen Silo
- Batcher Automatics Control Panel



Industrial Automation

- Industrial Conveyor
- Bulk Weigher
- Pallet Conveyor
- Bucket Elevator
- Logistic Automation Conveyor
- Industrial Automation System

Air Filtering System



- Industrial Dust Collector System
- Mining Dust Collector System
- Laboratory Dust Collector System
- Pulse Jet Dust Collector



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