

BELT CONVEYOR SAMPLER PBA



**EQUIPMENT DESIGNED TO AUTOMATICALLY COLLECT A
PRIMARY SAMPLE OUT OF A BELT CONVEYOR**

Design depends on conveyor's width

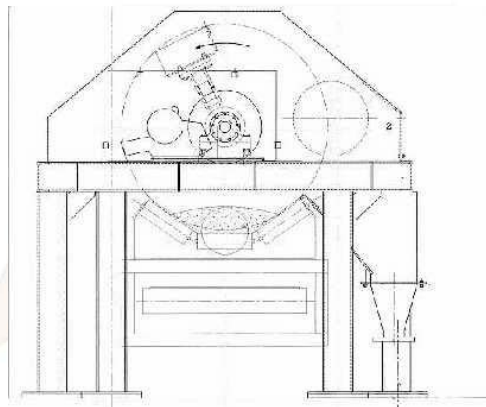
PRINCIPLE

The hammer type sampler **PBA** is positioned on top of an existing belt conveyor and does not require any modification of this conveyor.

A reinforced steel spoon, in a rotation motion, cuts a slice of material transported by the belt conveyor. This sample is then thrown into a receiving hopper and collected at its output by gravity.

SPECIFICATIONS

- Welded steel profile for support and frame
- Removable top casing with inspection door
- Flange on the pendular arm for fast replacement of the sampling spoon
 - Auto-aligning external balls bearings for the rotation
 - Electric clutch
 - Disk brake on main shaft by power cut 1000 W
 - Resting vertical position of the pendular arm
 - Spoon width: depends on product particle size
- Removable spoon equipped with side scraping deflectors
- Hopper, equipped with abrasion resistant armoring plates, fixed on the side of the device to receive samples with discharge flange DN 100
- Inspection door with safety padlock for intervention in the hopper



ADDITIONAL EQUIPMENTS

- Sampling automation
- Sample storage
- Sample transport
- Preparation and analysis

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