

PELLETIZING SYSTEMS >



AUTO PELLET SAMPLER

Innovative pellet sampling unit for
laboratory applications



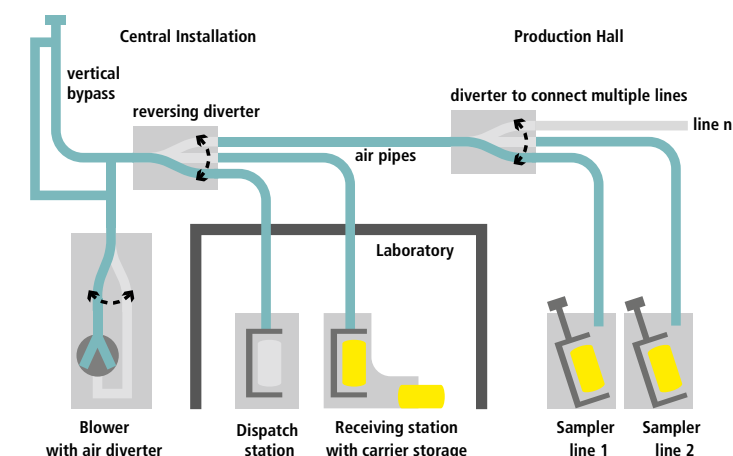
The AUTO PELLET SAMPLER is designed for the lab or any other designated place where pellet samples from the production are needed. The fully automatic sampling system transports a container specially developed to collect pellets from the classifying sieve to the measuring device - overcoming several floors or distances of up to 300 m is no obstacle.

Your benefits

- Compact design & flexible sampling point positioning
- Easy to use & auto clean
- Low maintenance
- Automatic sample up to 2 kg pellets from several production lines
- No cross contamination

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How AUTO PELLET SAMPLER works:

Usually samples have to be taken manually. Either lab personnel or operators have to leave their work place to collect the required sample. With the AUTO PELLET SAMPLER lab personnel just need to insert the container for the requested line into the dispatch station. The system recognizes automatically to which line the container belongs and will send it there. The sample then will be taken and delivered back to the lab within a few minutes, depending on the distance. The lab or operators can proceed with their process without any interruption. The AUTO PELLET SAMPLER is working fully automatic including auto cleaning.

Operation sequence:

1. Operator inserts the designated empty transport carrier into dispatch station.
2. The RFID reader in dispatch station reads the RFID tag of the carrier, e.g. line 1.
3. Blower starts and the carrier moves from departure station into the vertical bypass directly to the AUTO PELLET SAMPLER at line 1.
4. AUTO PELLET SAMPLING starts:
 - a. The carrier tilts to the side.
 - b. The filling lancet is pushed into the transport carrier's cover flap mechanism.
 - c. Flight conveying fills pellets into the transport carrier until level sensor stop.
 - d. Filling lancet pulls out. Carrier closes automatically.
 - e. The carrier tilts back into alignment with the forwarding tube.
5. With vacuum the carrier moves into the vertical bypass where it gently stops.
6. The reversing diverter switches to middle position. In blowing mode, the carrier reaches the receiving station. There is a buffer for up to four carriers filled with sample material.
7. The operator opens the screw cap of the carrier to pour out the material.

Features:

- Up to 300m distance
- Auto cleaning
- Connects multiple lines even within multiple production halls to one laboratory
- Fully automatic operation
- Easy to use

Technical specifications:

Dimensions:	600 x 1367 x 274 mm
Weight:	60 kg
Operating temperature:	0 - 60 °C
Humidity:	40 - 85 % relF
Container size:	Ø 171 x 350
Sample size (adjustable):	0,5 - 2,0 kg
Typical sample size:	1 - 2 kg
Air pressure (oil-free):	5 - 8 bar