

Grinding Line Pneumatic Conveying



The air gets in through the ABMS feeder and an additional air inlet. It passes through the screens of the hammermill. The ground product is conveyed by vacuum thanks to the fan.

An automatic cleaning filter separates the product from the air.

The air flap adjusts the air flow rate at the fan inlet. The air is forced out after going through a muffler.

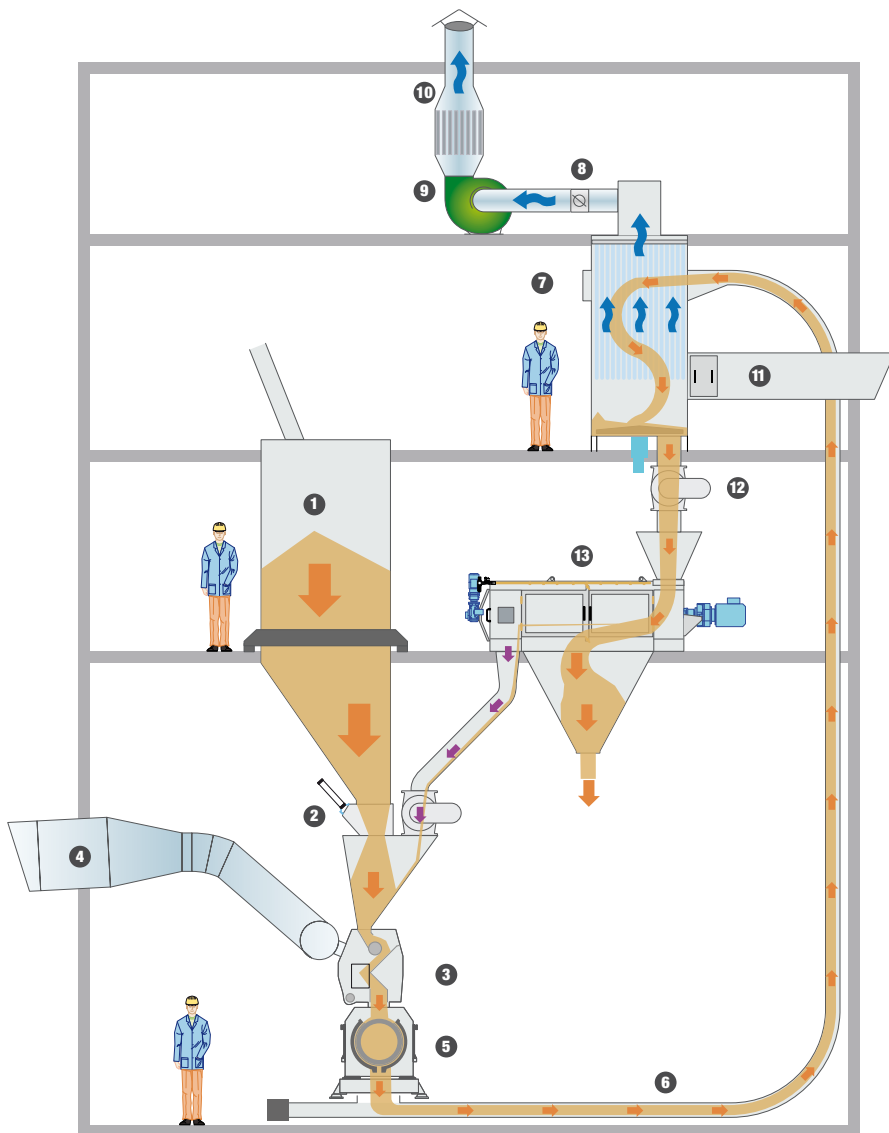
Considering the fineness of the product, the cyclo-filter is flat-bottomed, equipped with a motorized cleaning arm and a sealing valve.

A turbo sifter is designed to separate the products. The particles not meeting the required size are handled back towards the mill.

In ATEX area, an explosion vent and an air outlet duct provide a safe of the installation.



Grinding line with pneumatic conveying



Key

- ❶ Hopper
- ❷ Helmet gate
- ❸ ABMS feeder (destoner, ferrous cleaner)
- ❹ Air intake (Atex option)
- ❺ Hammermill
- ❻ Pneumatic transfer
- ❼ Filter with cleaning arm
- ❽ Motorized air flap
- ❾ Centrifugal fan
- ❿ Nuffler (option)
- ⓫ Explosion vent and air outlet duct (Atex option)
- ⓬ Sealing valve
- ⓭ Turbosifter



Cyclo-filter and fan



Filter with cleaning arm



Pneumatic conveying