

■ Process: Production process for seed production



■ The Task:

In the production of flower and vegetable seeds for commercial sowing, it is by no means rare for producers to guarantee positive germination results of 90 - 95 %. The seeds are extremely valuable, particularly when one considers, for instance, that there are only 2.5 kg of begonia seeds in the whole world.

The dust generated has to be reliably separated, with air extraction rates kept at a constant level in order to optimize both quality and production costs. Coating, for example, has to be carried out with a precisely defined air volume in order, on the one hand, to prevent pollutants from entering the working space and, on the other hand, to avoid losing any product at the same time.

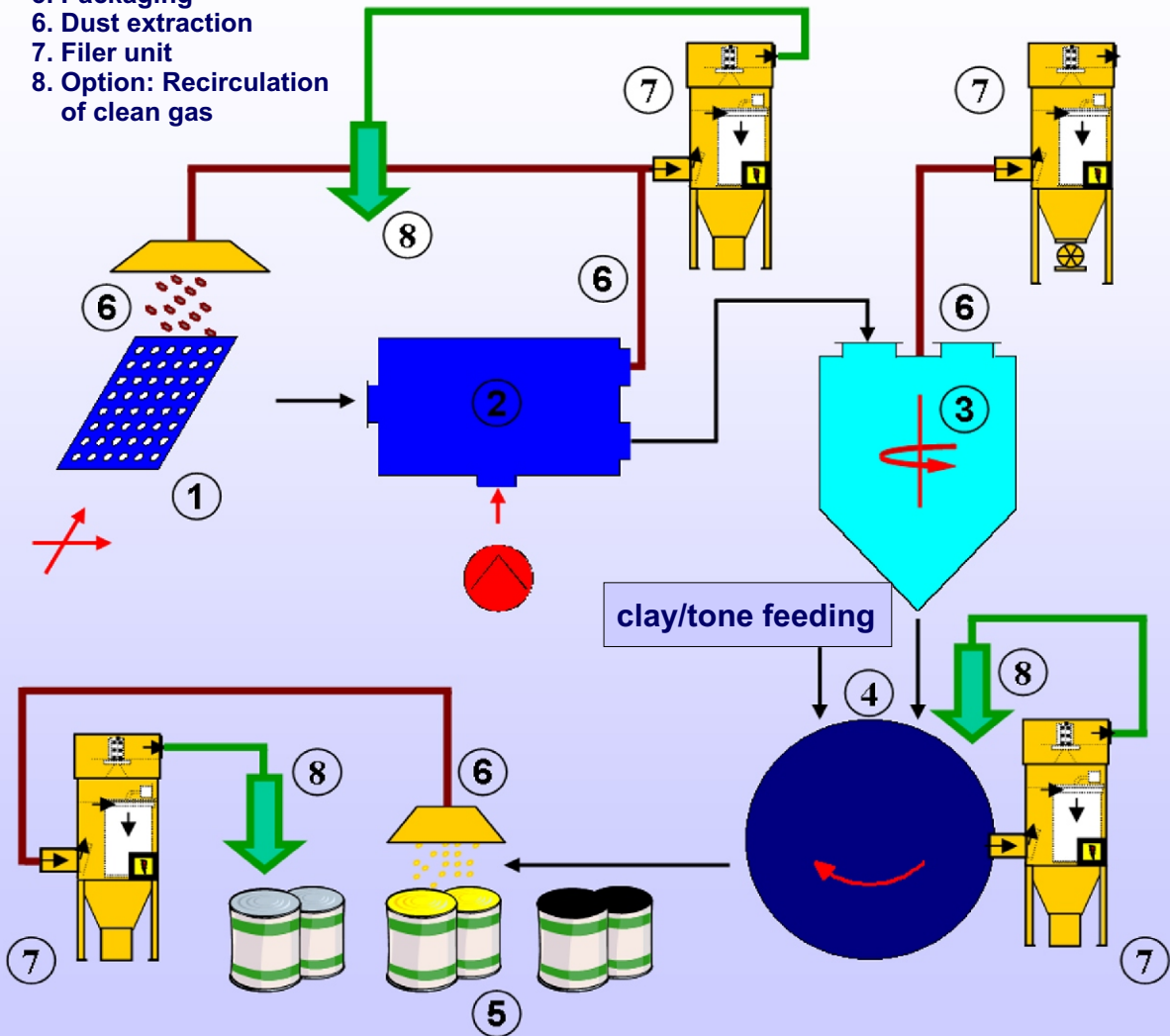
■ The Solution:

Herding® filter technology for seed production

- ⇒ Air flow up to 30,000 m³/h; with fan top-mounted or fan mounted aside
- ⇒ Dust discharge optionally with either a bin or continuous discharge with a rotary air-lock feeder, which should ideally be used for toxic dust
- ⇒ Residual dust concentration <1 mg/m³, airborne substances category (HEPA filter class) R (EU 12) for purified clean gas recirculation and separation of toxic dusts
- ⇒ Compact rigid body and thus high stability against abrasive dust (e.g. Clay) from pelleting
- ⇒ Constant differential pressure and therefore a constant air volume by pure surface filtration: Consistent production results in all stages of processing
- ⇒ Minimization of maintenance work on dust-covered parts (toxic dust) due to long lasting filter medium

Production process for seed production

1. Sieving (screening)
2. Sifting (separation)
3. Coating
4. Pelleting
5. Packaging
6. Dust extraction
7. Filer unit
8. Option: Recirculation of clean gas



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