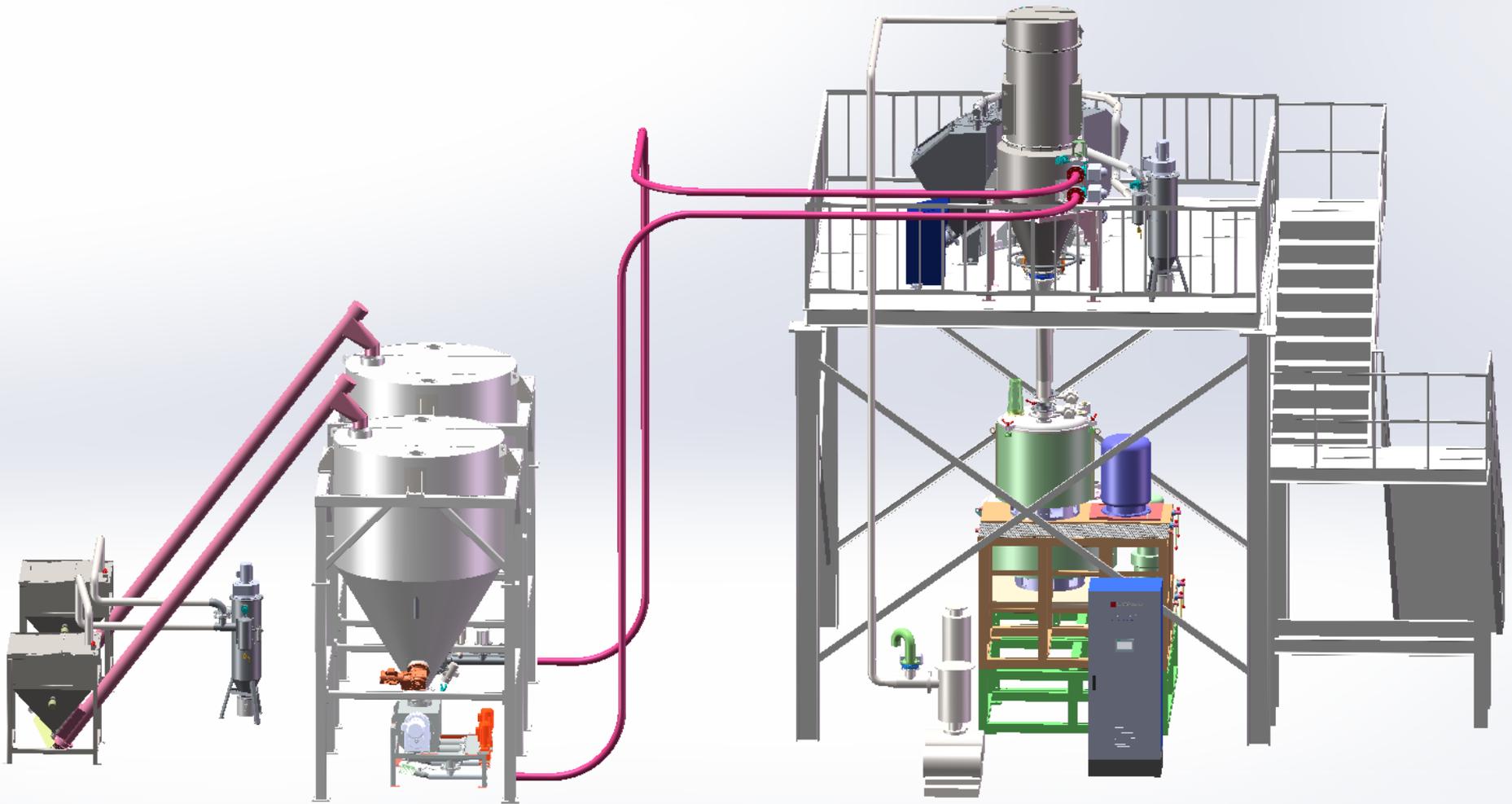
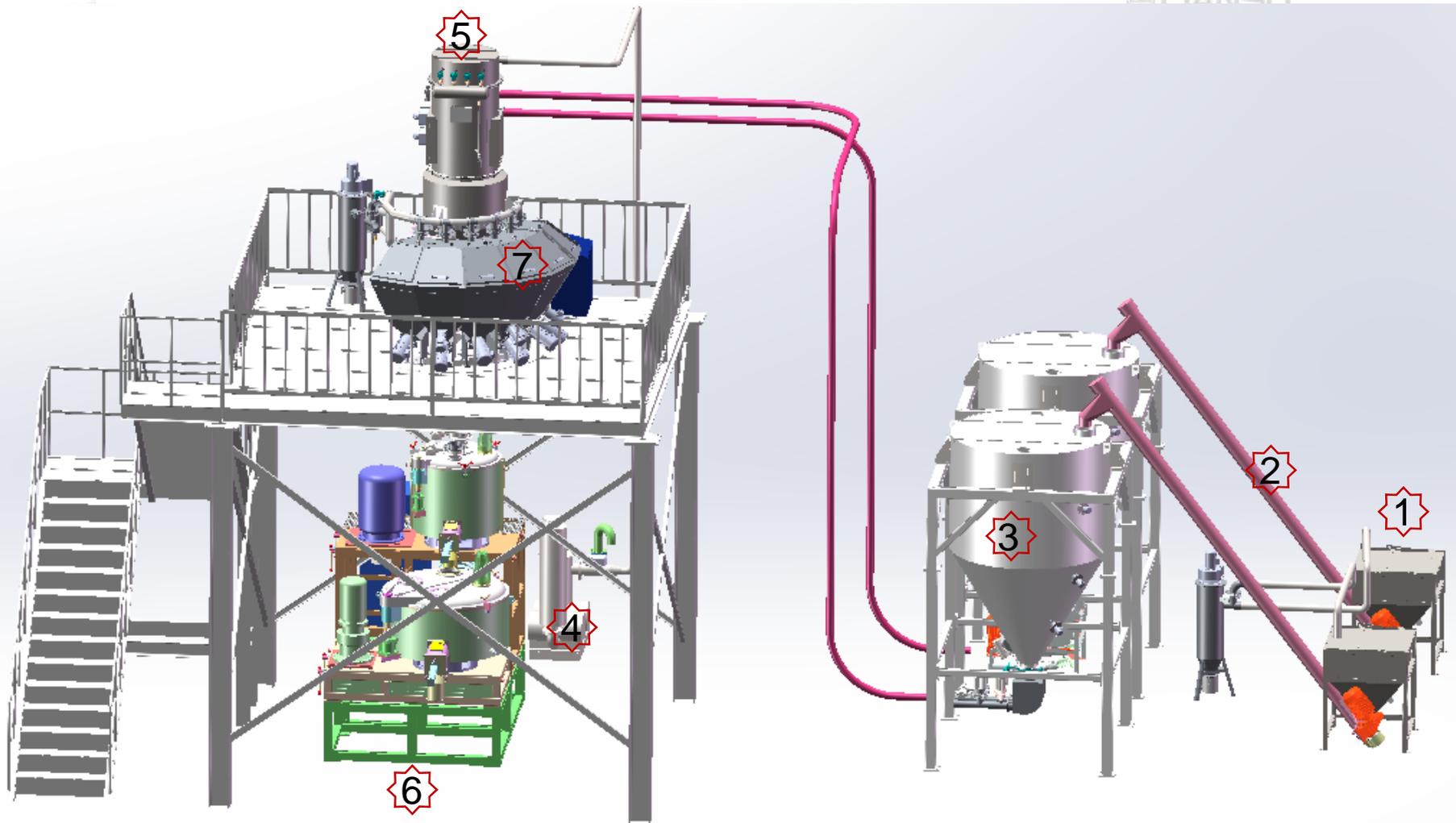




# Simple plastic powder feeding system







1. PVC and calcium carbonate feeding station (with dust collect system) -----each 1 set;
2. Feeding screw (5m) -----2 set;
3. PVC big material silo (5cube) -----1 set;
4. Calcium carbonate big silo (5 cube) -----1 set;
5. Negative pressure scale (including suction device) -----1 set;
6. Roots blower-----1 pcs;
7. 6 components dosing scale (20 kg/100 seconds) -----1 set;
8. Dosing scale feeding platform-----1 pcs;
9. 500/1500 combination high speed mixer-----1 set;
10. Electric control unit-----1 set

# working principle

PVC and calcium carbonate are manually unpacked and poured into their respective feeding station '1'

Screw feeder '2' is delivered to the corresponding PVC and calcium carbonate big tank '3'

Weighed PVC and calcium carbonate gravity into mixer '5', the mixer began to run

Roots fan '4' sucks PVC and calcium carbonate from big tank '3' into negative pressure scale '5' (according to the preset weight in HMI)

Dosing scale '6' will dosing the weight according to the weight of each component preset by HMI

The mixer '5' in the running, when the mixer temperature reaches a certain preset temperature, the formula weighted by the dosing scale '6' is automatically put into the mixer '5' until the mixing is completed.

## 500/1500 high speed mixer features



- 1、 Hot mixing adopts high torque, super efficient permanent magnet synchronous motor, high energy saving rate, large torque, high overload capacity;
- 2、 Motor and ordinary AC asynchronous motor , in the same power, the size is small, one base is good , but the torque is bigger 1-2 grades;
- 3、 Ultra-low no-load current  $4\sim 5A$  (1/10 of AC asynchronous motor), with no-load current detection of hot mixing discharge time, more accurate than the traditional time control discharge time;
- 4、 Hot mixing adopts special large load up and down rolling blade, blade surface multi-channel sintering process hardening, long lifetime, stirring effect is good;
- 5、 The hot mixing bearing seat adopts the combination of large load bearing, which can bear the large torque drive of the motor, and can bear the strong radial load, especially the axial load when stirring
- 6、 The comprehensive saving rate of the mixer is 10-20% (compared with the conventional asynchronous motor drive);
- 7、 Double layer water ring cooling, and its own power forced internal cooling circulation system, high cooling efficiency.