Crystalliser

CPK

think materials management
For continuous crystallisation of amorphous materials such as PET and PLA.

With respect to costs and efficiency, recycling becomes more and more important. In order to avoid clumping of PET recycled material during drying with up to 180 °C, crystallisers of the CPK and KT series should be used before the drying process.

The agitator bins are equipped with a high-performance drive motor. The amorphous material in the bin is kept in motion at a controlled temperature until crystallisation is concluded and further processing can then continue.

**YOUR BENEFITS**

- **Optimised crystallising process**
  By crystallising in an open circuit, it is possible to reduce hydrolytic degradation. An additional benefit is that the material is pre-dried. An optional heat exchanger can be fitted which offers considerable energy savings.

- **Constant drying quality**
  When dropping below a minimum exhaust temperature as a result of excessive material throughput, the amount of material discharged is controlled so that optimum drying quality is always maintained.

- **Start-up program**
  Automatic start-up program for amorphous material.

- **Throughput-dependent optimised energy management**
  Air-flow regulation using frequency controlled blowers offer considerable energy savings.

- **Modular design**
  With many different model sizes, the right crystalliser is always available for the required material throughput.

- **User-friendly control**
  Intuitive operation by colour graphic touch screen.

- **Removable section of KT cone**
  By removing the lower section of the cone, full access to the lower bin area is possible.

- **Extra-strong agitator arms and stators**
  The reinforced agitators and stators are designed to withstand the large resistances generated during crystallisation.

- **Agitator motor protection**
  If the forces in the agitator are too high, the agitator motor switches off automatically.

- **Bin filling time is adjustable**
  Bin filling is manually adjustable via the control.