

# PALLMANN

*Production of finest powder qualities*

## TurboFiner<sup>®</sup>, type PLM



### Materials that can be processed:

Pulverization of soft to medium hard materials.  
Typical feed materials are:

- Elastomers and plastics
- Plant products
- Cellulose and cellulose derivatives
- Soft minerals
- Pigments, resins, salts
- Composite materials and recycled materials

### Consistency of the feed material:

Precut granules smaller than 15mm, fibers or flakes.

### Area of application:

- Plastics industry
- Foodstuff industry
- Manufacturers and processors of rubber
- Chemical industry
- Minerals industry
- Dry grinding of moist materials

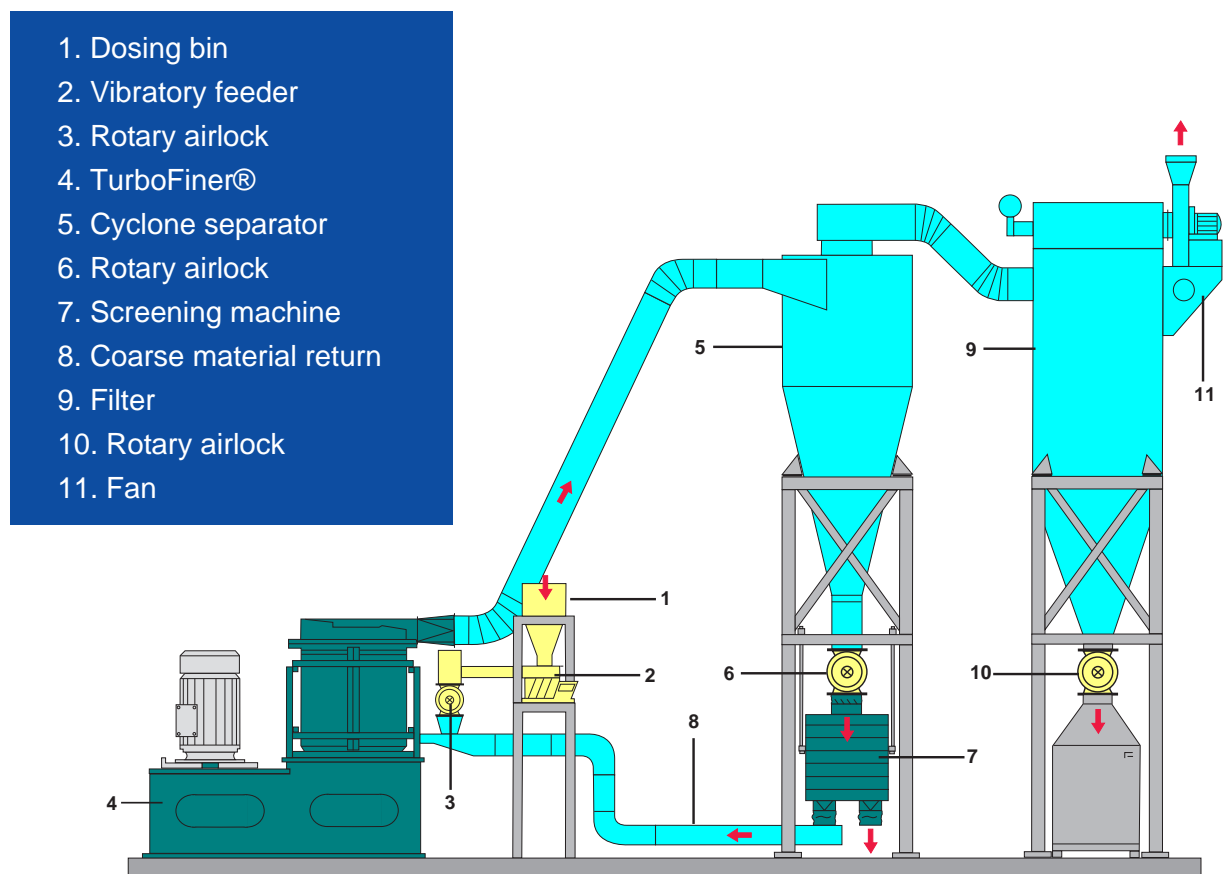
### Decisive advantages:

- Cool, product-gentle fine- and finest grinding
- Production of finest powders with narrow particle size distribution and high bulk density
- Grinding and drying possible in one processing step
- High throughput rate
- Bearing completely separate from the grinding chamber
- Easy to clean and to access
- Flexibly adaptable to different feed materials

## Method of operation:

Normally, pulverization is performed in a single step. The material is fed by means of a vibratory feeder, dosing screw or rotary airlock. Due to the manifold variation possibilities of the rotor and the grinding track, the TurboFiner® can be adapted to the most different size reduction requirements. The degree of pulverization is determined by the retention time of the material in the grinding zone, the rotation of the rotor, the selection of the grinding elements and the profile of the grinding track. The material to be processed is introduced either by an upstream cyclone separator or directly into a filter.

In case of closed circuit grinding, the material is separated by the particle size by means of a screening machine and the oversized particles are reintroduced into the feed material. The TurboFiner® is equipped with hot air induction for the dry grinding process.



## Technical data:

Type		PLM 800	PLM 1250	PLM 1400	PLM 1800	
Scale-up Faktor		1.0	2.4	3.0	5.0	
Rotor diameter	mm	800	1250	1400	1800	
Motor	kW	45-90	132-200	160-315	250-560	
(ohne Motor)						
Dimensions (machine)	Width	mm	2260	3500	4000	2200
	Depth	mm	1200	1900	2100	2200
	Height	mm	1650	2600	2900	2361



**PALLMANN**

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