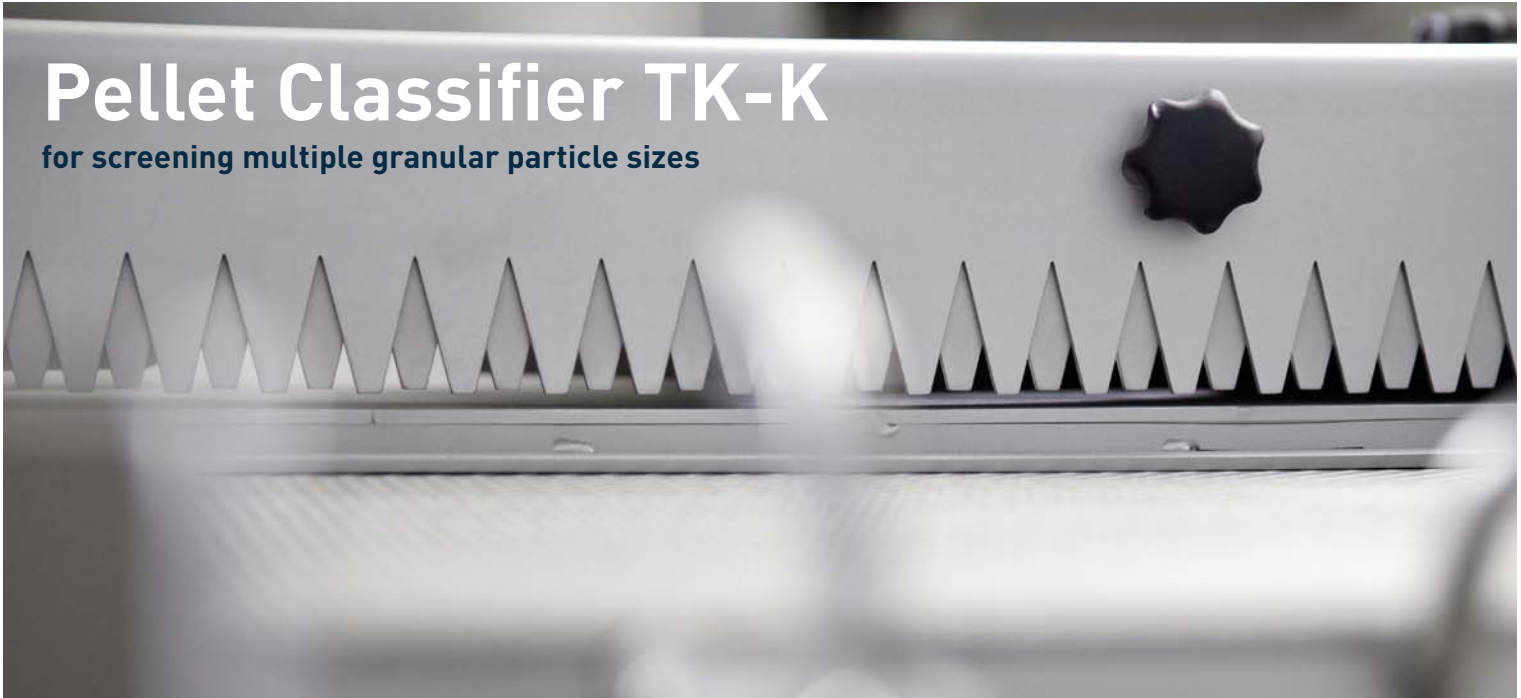


Pellet Classifier TK-K

for screening multiple granular particle sizes



- Easy to operate
- Quick release screens
- Easy to maintain

The Trendelkamp pellet classifiers efficiently separate both fine and course particles from specified material. Additionally, non-uniform particles or debris can be separated resulting in a very versatile system.

The growing need for higher quality products and consistent product geometries makes classifying increasingly important. Our classifiers are designed to meet challenging demands, high quality standards and efficient operational reliability. Resin manufacturers and compounders worldwide have come to rely on the efficient and easily operated Trendelkamp pellet classifiers.

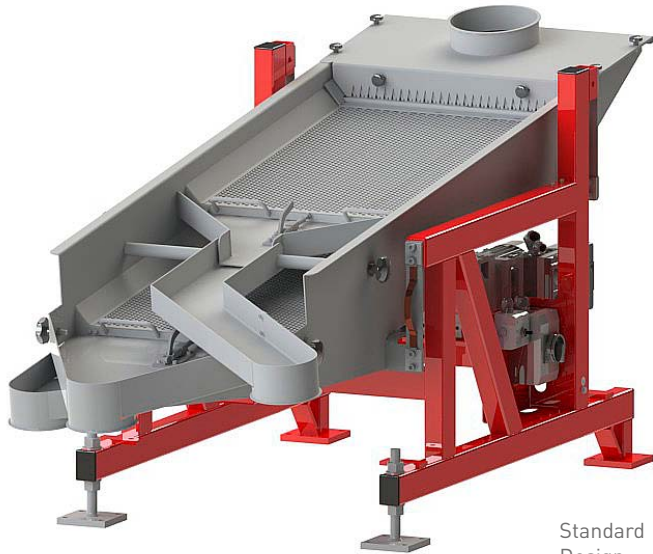
Benefits:

- Increased product quality
- Easy to operate and maintain
- Unique oscillating movement prevents pellet bounce

Options:

- Stainless steel cover with inspection windows
- Operator panel location (left/right)
- Adjustable tapper unit (MB design)
- Mobile design

Pellet Classifier TK-K



Standard Design



Masterbatch-Design (MB design)

Functional Principle:

The pellet classifier permits a smooth and even material disbursement over the entire screen width, thus maximizing the systems efficiencies and performance. A wide, generous channel design ensures that your pellets approach the first separation screen in a single layer. Additionally, the width provides extra cooling during the short travel distance. The linear oscillating movement of the entire screen assembly efficiently moves the pellets across the separation screen/s in order to separate fine and over pellets.

The screen assembly is constructed of stainless steel and machined to precise tolerances. The entire assembly is secured to a solid base frame by four GRP beams. An eccentric gear motor smoothly drives the screen assembly so pellets travel in a uniform movement over the separation screen/s.

Each screen is easy accessible and the screens are fixed outside of the product flow (MB design). This allows to remove the screens quickly and also no pellets can stick in the fixing mechanism.

Trendelkamp offers either two or three segregation outlets:

- Two outlet option:
 - > Oversized pellets (overs)
 - > Correctly sized pellets (goods)
- Three outlet option:
 - > Oversized pellets (overs)
 - > Undersized pellets (fines)
 - > Correctly sized pellets (goods)

Features:

- Continuous efficient screening equipment
- Unique screening motion prevents pellet bounce
- Variable speed drive with frequency converter
- All contact parts made of stainless steel
- No tools required for screen removal or replacement
- Quick release screens
- No dead spots
- Quick and easy cleaning/maintain process
- Screen diameter between 2 – 8 mm, (others upon request)
- Easy to operate and maintain
- Inlet and outlet port with JACOB pipe connections

Pellet Classifier TK-K			
Separation of overs			
Model	Screen Area	Throughput	Drive Power
TK-K 40 / 65-2	2 x 0.125 m ²	up to 500 kg/h	0.66 kW
TK-K 60 / 85-2	2 x 0.250 m ²	up to 1,000 kg/h	0.66 kW
TK-K 60 / 130-2	2 x 0.400 m ²	up to 2,000 kg/h	1.35 kW
TK-K 100 / 100-2	2 x 0.560 m ²	up to 3,000 kg/h	2.70 kW
TK-K 100 / 130-2	2 x 0.700 m ²	up to 4,500 kg/h	2.70 kW
Separation of overs and fines			
Model	Screen Area	Throughput	Drive Power
TK-K 40/ 65-3 u. TK-K 40 / 65-3 MB	2 x 0.125 m ²	up to 350 kg/h	0.66 kW
TK-K 60/ 85-3 u. TK-K 60 / 85-3 MB	2 x 0.250 m ²	up to 650 kg/h	0.66 kW
TK-K 60/130-3 u. TK-K 60/130-3 MB	2 x 0.400 m ²	up to 1,500 kg/h	1.35 kW
TK-K 100/100-3 u. TK-K 100/100-3 MB	2 x 0.560 m ²	up to 2,500 kg/h	2.70 kW
TK-K 100/130-3 u. TK-K 100/130-3 MB	2 x 0.700 m ²	up to 3,500 kg/h	2.70 kW