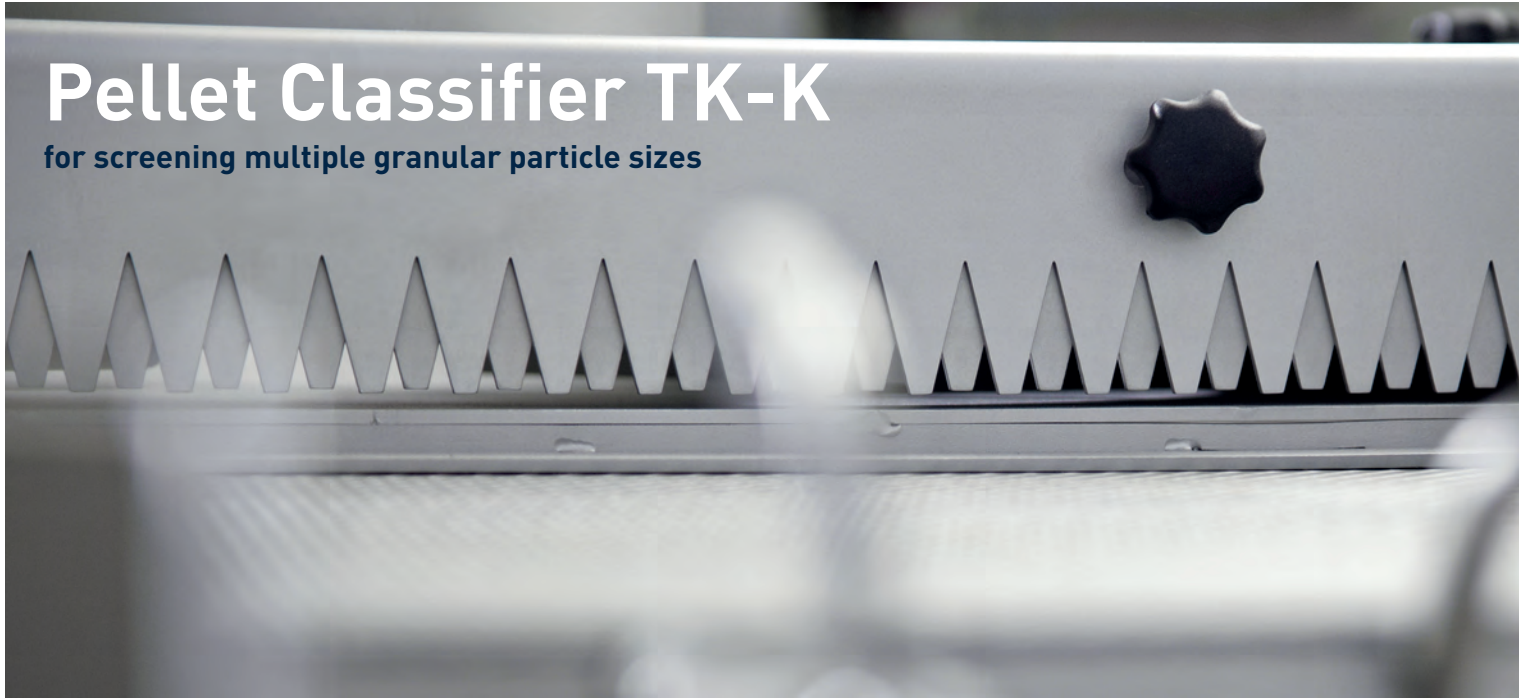# Trendelkamp

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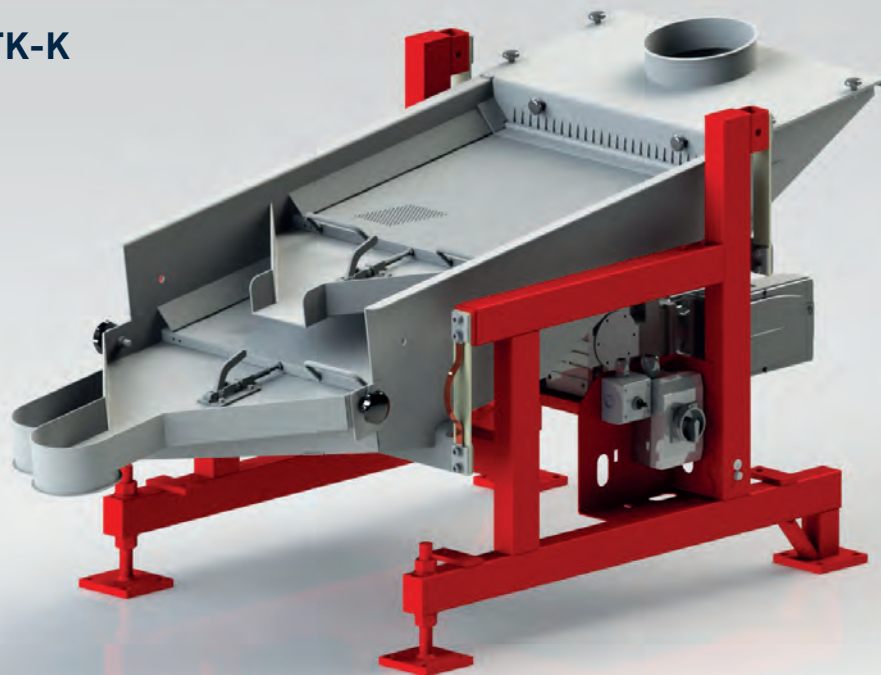
Benefits:
- Increased product quality
- Easy to operate and maintain
- Unique oscillating movement prevents pellet bounce

Options:
- Stainless steel cover with inspection windows
- Operator panel location

Trendelkamp

Pellet Classifier TK-K

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 separating screen is equipped with a quick connector that allows easy and quick screen removal.

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
- Quick release screens
- 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 m²	up to 500 kg/h	0,66 kW
TK-K 60 / 85-2	2 x 0,250 m²	up to 1.000 kg/h	0,66 kW
TK-K 60 / 130-2	2 x 0,400 m²	up to 2.000 kg/h	1,35 kW
TK-K 100 / 100-2	2 x 0,560 m²	up to 3.000 kg/h	2,70 kW
TK-K 100 / 130-2	2 x 0,700 m²	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	2 x 0,125 m²	up to 350 kg/h	0,66 kW
TK-K 60 / 85-3	2 x 0,250 m²	up to 650 kg/h	0,66 kW
TK-K 60 / 130-3	2 x 0,400 m²	up to 1.500 kg/h	1,35 kW
TK-K 100 / 100-3	2 x 0,560 m²	up to 2.500 kg/h	2,70 kW
TK-K 100 / 130-3	2 x 0,700 m²	up to 3.500 kg/h	2,70 kW