



The **PETKUS Indented Cylinder Separators ZA** are used for the sorting of seed, grain, fine and vegetable seeds, corn and similar agricultural, grained and free flowing granular products. The material is sorted according to its length. The plants are available in different sizes and performance categories.

#### Advantages:

- Gentle processing of the product
- High standard of separating quality
- Indented cylinders completely covered
- Simple and quick changing of the cylinder casings
- Individual drive unit for each indented cylinder
- Operation smooth and free of vibration

#### Description:

The indented cylinder separator machines are equipped with an indented cylinder for long grain separation and a cylinder for short grain separation.

**Short Grain Separation** – separating short particles: The short particles settle in the indents. The short particles are transported to the top and discharged into the discharge trough by turning the indented cylinder.

**Long Grain Separation** – separating long particles: The product settles in the indents. The product is transported to the top and discharged into the discharge trough by turning the indented cylinder. The long particles remain in the indented cylinder and are discharged.

The product is moved from the inlet hopper through the turning indented cylinder. Pocket-shaped cells are stamped in the segments of the indented cylinder. The grain settles in these cells depending on the size of the cells. By rotating the indented cylinder the settled grain is transported to the top and falls into the trough at a height dependant on its center of gravity. A transport auger within the trough transports the separated grain to the product outlet.

The particles of the product not picked up by the cells of the indented cylinder or which have fallen down below the discharge trough because of their length remain in the indented cylinder and are transported to the corresponding product outlet.

The discharges are guided outwards separately. Samples for the two discharges can be taken at the sampling points.

#### Construction:

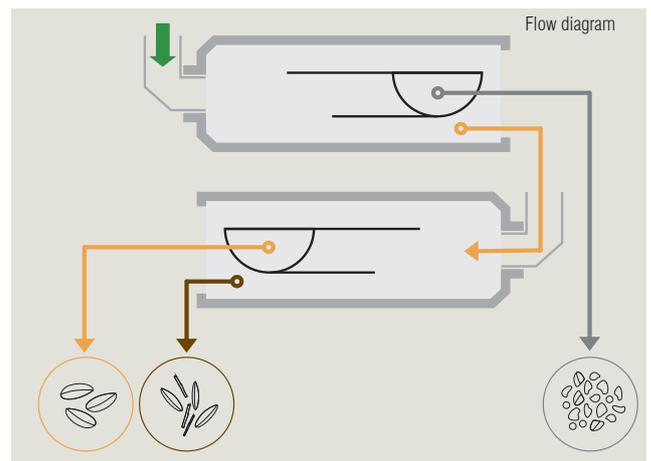
The separator is equipped with an indented cylinder for short grain and an indented cylinder for long grain separation. The trough with a transport screw is inside the indented cylinder. Each indented cylinder is driven with a gear motor.

#### Standard Equipment:

- Bolted housing made of sheet steel
- Indented cylinder for long grain with a cylinder casing
- Indented cylinder for short grain with a cylinder casing and screw roller
- Discharge troughs with transport screw
- Drive units with electric motor
- Product inlet and product outlets
- Aspiration connection

#### Options:

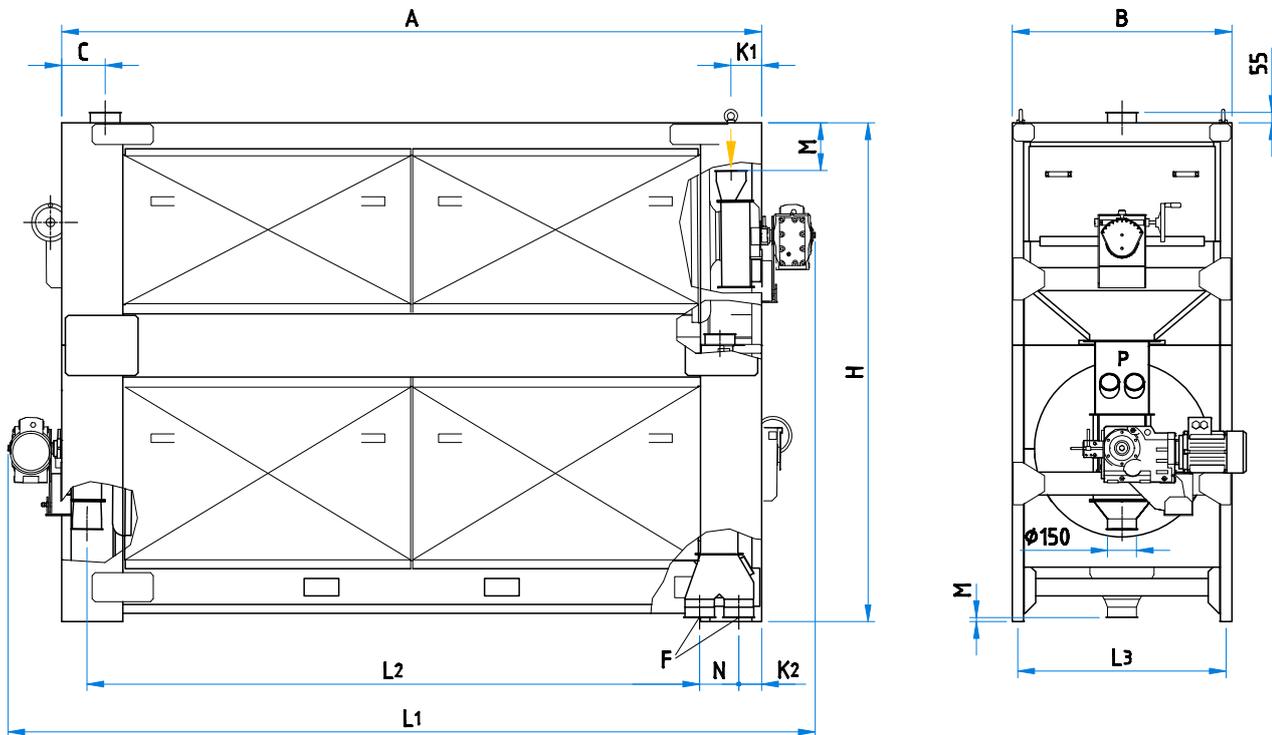
- Cylinder casings available with various cell sizes
- Up to four indented cylinders in one plant



Indent cells



# Indented Cylinder ZA



Type	A	B	C	K <sub>1</sub>	H	K <sub>2</sub>	F	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	M	N
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
ZA 61	2165	830	155	180	2160	155	Ø 150	2550	1845	740	190	180
ZA 62	3165	830	155	180	2160	155	Ø 150	3570	2845	740	190	180
ZA 73	3665	950	228	160	2160	120	Ø 150	4149	3208	874	21	205
ZA 93	3665	1150	228	160	2600	120	Ø 150	4227	3214	1074	21	205

Type	Capacity Wheat with 3% impurities	Cylinder Diameter/Length mm			Drive	Revolution	Aspiration		Weight
		K	L	Length			m <sup>3</sup> /min	Pa	
ZA 61	3,0	600	600	1500	2 x 1,1	41	16	200	1200
ZA 62	5,0	600	600	2500	2 x 1,5	41	16	200	1300
ZA 73	8,0	700	700	3000	2 x 2,0	38	20	250	1440
ZA 93	12,0	900	900	3000	2 x 4,0	33	24	300	1950

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