



# SKIOLD DAMAS ZETA



SKIOLD MAKES THE DIFFERENCE!



## SKIOLD DAMAS ZETA GRAVITY SEPARATOR

With its uniquely designed deck type, the ZETA efficiently and precisely separates your cereals or grains according to weight – with zero vibrations and easy daily operation.

# SKIOLD Damas Zeta gravity separator

ZETA gravity separators are used to separate products with difference in specific weight. The ZETA can be delivered with different decks for different grain or seed types and delivers a perfect grading result with minimum maintenance and adjustment needed. As an option, the ZETA can be delivered with fully computerized controls.

## How it works

The separator works on a fluidized bed principle. This means that air is forced through the deck causing the lighter fraction of the grain or seed material to float above the heavy fraction. The deck causes the heavy fraction to move upwards while the light fraction floats downwards, separating the two in a very precise manner. Variations in deck speed, air quantity, deck type, deck angle, depth of product and take-off points enable Zeta to do a high and constant quality separation.

## Your direct benefits

### Efficient grading

In the ZETA, a highly effective fan with filter produces a pressurized airflow through the deck. The unique design of the deck results in an extremely even air distribution and a perfect fluidisation of the grain/air mix and a superbly efficient grading of the grain or seed material.

### Simple air adjustment

Due to the unique construction of the deck, perfect air distributing is achieved with just one fan in the entire machine. This means that adjusting the air flow is perfectly straightforward.

### Easy installation

Installation of the machine is very easy as only main power supply is needed for the built-in control box. All internal power supplies are pre-wired and incorporating deck drive inverter, fan drive inverter, starters, overloads and cable to the external control panel of the machine.



The ZETA is available with half or full dust hood and recirculation and with several deck types for different products.

### Easy to operate

The standard version of the Zeta is designed for manual operation of all functions, but the separator is also available with a fully computerized memory function and touch screen allowing for very fast and easy adjustment of the separation quality.

Electric servomotors ensure that the chosen setting remains exactly as selected – no further adjustment is needed.

During maintenance and deck changing, only the top deck needs to be changed, which significantly reduces downtime.

### Sturdy industrial design

The ZETA is designed for heavy industrial use with a minimum of vibrations transmitted to the supports or the floor construction.

Specifications		DGS13	DGS21	DGS31	DGS51
Guiding capacity, fine cleaning, wheat	t/h	2	5	10	15
Screen area	m <sup>2</sup>	1.3	2.1	3.1	5.1
Total power consumption	kW	6.0	9.1	13.0	24.5
Length	mm	1900	2300	3050	3700
Width	mm	1550	1670	1670	2070
Height	mm	1250	1380	1380	1500
Weight	kg	1000	1150	1550	2300