

## SPIRAL SEPARATOR SS-2 / -4 / -6 / -8

The SS spiral separator is designed to separate round seeds from flat seeds by means of gravity. Spiral Separators are used on most any free flowing product to sort round shapes from flat or oblong shapes.

Spiral Separators are used in the seed industry for separating good soybeans from splits or weed seed. Spiral Separators are often used in industrial applications such as separating metal abrasives, metal shot, ceramic beads, glass beads and other types of material. Spiral separators operate on gravity only – product is loaded in the hopper, or direct feed tube on a single spiral. The material flows over an adjustable cone and divides the material evenly onto the inner flights. With increasing speed, the round material will separate and roll off the inner flights onto a larger outer flight and then exits a side discharge chute at the bottom. The non-round material on the inner flights will exit a discharge chute at the bottom.

The SS spiral separator offers the below features:

- Inlet for each spiral.
  - Manually adjustable open-close valves (one for SS-2 and two for SS-4/-6/-8).
  - Separator cabinet with a number of spirals.
  - Each spiral with 8 flights and choice between 4 inclinations: 37°/43°/46°/49°.
  - Manually adjustable deflector cone for product control for each spiral.
  - Handle for regulation of the ratio between round and flat product.
  - Common outlet for prime product.
  - Common outlet for removed product.
  - Curtain and rubber covered bottom for gentle handling.
  - Connection for external dust aspiration system.
  - Inspection window and access door for each spiral.
- The machine is of steel construction.

Options:

- Pneumatic open-close valve/valves
- Product brake unit with nylon flaps or with magnets
- Extension hopper, H=600 mm, with or without feeding screw (for SS-4, SS-6, SS-8)

TECHNICAL SPECIFICATIONS:

MODELS	SS-2	SS-4	SS-6	SS-8
Number of spirals pcs.	2	4	6	8
Capacity t/h – soya beans	1.6	3.2	4.8	6.4
Capacity t/h – canola	0.5	1	1.5	2

Capacity: estimate (guideline).

DISTINGUISHING ADVANTAGES:

- Easy change of spiral
- One common manual adjustment per row of prime product outlets
- Easy clean-down when changing from one product or variant to another
- Low maintenance costs

