

1) PRE CLEANERS

A.) SK-PC-2:-

These Seed Cleaners / Grain Cleaners are suitable for the efficient cleaning of various cereal seeds, oilseeds, forestry seeds, fodder seeds, pulses etc. e.g. wheat, paddy, maize, bajra, urd, moong, gram, soyabean, sunflower, mustard, jowar, barley, coffee seeds, etc. by removing lighter impurities like chaff, husk, dust & dirt/sand and also oversize & undersize impurities from the raw Seed/Grain.

MODEL	CAPACITY (BASED ON WHEAT)
SK-PC-2	2TPH

B.) PCDL-3/5:-

SK AGRO develops and manufactures solutions for pre-cleaning of all cereals, maize, rape seed, peas and similar products before drying or storage. Pre-cleaning differs from rough cleaning in the way that this process also is able to separate products smaller than the main crop.

MODEL	CAPACITY (BASED ON WHEAT)
PCDL-3	3TPH
PCDL-5	5TPH

C.) SPC-5/8:-

The Pre-Cleaner Type SPC is intended to master the pre-cleaning problems at intake plants. The SPR is also ideal to dress malting barley and milling grain to the highest quality commercial sample at a reduced throughput. The machine is constructed of steel with sieve boat made of laminated wood.

MODEL	CAPACITY (BASED ON WHEAT)
SPC-5	5TPH
SPC-8	8TPH

D.) EXCELL:-

The SK AGRO Pre-Cleaner Type EXCEL has been designed to master pre-cleaning processes at intake plants. It is also ideally suited to dress malting barley and milling wheat / paddy to the highest quality commercial sample at a reduced throughput. The machine is constructed of steel with sieve boats made of laminated wood.

MODEL	CAPACITY (BASED ON WHEAT)
EXCELL-12	12 TPH

2) SEED GRADER / FINE CLEANER

A) SK-DELUXE:-

Suitable for efficient cleaning and grading of seeds of all crops such as wheat, paddy, barley, maize, sunflower, soyabean, oil seeds, flower seed, fodder/forestry seeds and various spices.

MODEL	CAPACITY (BASED ON WHEAT)
SK-DELUXE	1 TPH

B) SK-SUPER:-

Seed Grader (Air-Screen Grader) is mainly suitable for the cleaning and grading of various spice seeds like Coriander, Cummins, and Fennel and Fenugreek etc. It is also suitable for cleaning and grading various cereal seeds, Oil seeds, Forestry seeds, Fodder seeds, Pulses etc. like Wheat, Paddy, Maize, Bajra, Urd, Moong, Gram, Soya bean, Sunflower, Mustard, Jowar, Barley, Coffee Seeds, etc.

MODEL	CAPACITY (BASED ON WHEAT)
SK-SUPER	1.5 TPH

C) SKG-32

Seed grader is suitable for the cleaning & Grading of various Cereal Seeds, Vegetable Seeds, Oil Seeds, Forestry Seeds, Fodder Crop Seeds, Spices & Pulses e.g. wheat, paddy, maize, bajra, urd, moong, gram, soyabean, barley, coffee seeds, etc.

MODEL	CAPACITY (BASED ON WHEAT)
SKG-32	2 TPH

D) FCG-3

Machine is suitable for efficient fine cleaning of all cereal, wheat, paddy, maize, millets, sunflower, soyabean, oil seeds and for rice and pulse milling plants.

MODEL	CAPACITY (BASED ON WHEAT)
FCG-3	3 TPH
FCG-5	5 TPH

E) ROYAL

The ROYAL is an efficient machine well suited for fine cleaning of all types of grains and heavy seeds. The standard design of the machine is provided with both pre- and after-suction units. It is a very competitive machine, both as regard to price and capacity.

MODEL	CAPACITY (BASED ON WHEAT)
ROYAL GRAND	3 TPH
ROYAL+	5 TPH

F) OMEGA

The OMEGA Seed grader separator is especially used for fine cleaning and grading of light and heavy seeds, cereals and granulated products. The machine can also be equipped to suit a variety of special jobs and purposes. The machine is constructed of steel with sieve boat of laminated wood.

MODEL	CAPACITY (BASED ON WHEAT)
OMEGA	5 TPH
OMEGA +	6-8 TPH

3) VIBRO SEPARATOR

A) SK-MTR

The modern design of the vibratory sieve separator allows it to achieve high quality cleaning at large capacities, whilst having small overall dimensions and low power consumption. It is used to separate over and undersize impurities from granular materials.

MODEL	CAPACITY (BASED ON WHEAT)
SKMT-1000	4 TPH
SKMT-1500	6-8 TPH

4) INDENTED CYLINDER / LENGTH SEPARATOR

A.) SK-IC:-

The Indent Cylinder Separator is used for grading by length all granular materials such as wheat, oats, fine seeds, lentils, for separating stalks from sunflower and beet seeds and for separating unwanted long or short product impurities and admixtures. The size of grains can vary between 1.0 mm and 24 mm.

MODEL	CAPACITY (BASED ON WHEAT)
SKIC-1	1 TPH
SKIC-2	2 TPH
SKIC-3	3 TPH
SKIC-4	4 TPH

B.) SK-ICD

Indented cylinder is used for additional separation or up gradation of seeds, grains of various crops on length basis after size & sieve cleaning. Also used for removing weed seeds, broken or cut, round grains, material longer than the desired crop seed.

MODEL	CAPACITY (BASED ON WHEAT)
SK-ICD-2	2 TPH
SK-ICD-4	4 TPH
SK-ICD-6	6 TPH
SK-ICD-8	8 TPH

5) DESTONER / STONER SEPARATOR

A) VIBRO TYPE DESTONER (NEGATIVE PRESSURE TYPE)

De-Stoner Machine is for efficient separation of stones and metal, glass, and other high-density (heavier) admixtures from seed lot. Pre and Fine Screen cleaned seed as well graded seed (in sizes) would still contain same size admixtures and impurities. Admixtures that are heavier than seed lot can be separated via De-Stoner machine.

MODEL	CAPACITY (BASED ON WHEAT)
VTD-650	2 TPH
VTD-915	4 TPH
VTD-1220	6-8 TPH

B) STONE SEPARATOR (POSITIVE PRESSURE TYPE)

The De-stoner operates on the basic principle of flowing dry granular material over a vibrating screen covered deck that is inclined. The SK De-stoners have the same basic function as gravity separator with the only difference being the De-stoner has two fractions - light & heavy, and the gravity separator has multiple fractions.

MODEL	CAPACITY (BASED ON WHEAT)
SSD-600	2 TPH
SSD-900	4 TPH
SSD-1250	6-8 TPH

C) MAGNETIC DESTONER

Magnetic Destoner is specially equipped for removing of iron stones, mud balls & other iron impurities from rice, wheat, dal, chana, soya and many other commodities, where can be used our Magnetic Destoner. Magnetic Destoner is packed with high intensity neodium rare earth magnet which are comes in grades like (N-45, N-40, N-52) and have gauss value of up to 14000 which help to remove all iron impurities from material and have accuracy up to 99%. Power consumption in Magnetic Destoner is only up to 2 HP.

MODEL	CAPACITY (BASED ON WHEAT)
MSD-750	1.5-2 TPH
MSD-1000	3 TPH
MSD-1200	4 TPH
MSD-1500	5-6 TPH

SPECIFIC GRAVITY SEPARATOR

It is specially meant for upgrading of the product quality i.e. Seed/Grain etc. by separating the impurities on the basis of the difference in specific gravities which are otherwise of the same shape & size. The impurities which are of the same shape & size of the required quality product but having different specific gravity cannot be separated by Air Screen Seed Cleaner (Seed Graders), Length separators because these machines work on the principle of separation (grading) on the basis of difference in physical parameters like shape & size etc.

MODEL	CAPACITY (BASED ON WHEAT)
SGS-2	0.8 TPH
SGS-3	1.5 - 2 TPH
SGS-5	3 - 4 TPH
SGS-7	5 - 6 TPH

SEED TREATER / SEED COATING MACHINE

A) SCM:-

Liquid applicators used for precision coating and pilling of crop with insecticides, fungicides, micronutrients and inoculants to the highest quality standards. Integrated modern control systems provide high process flexibility, process

MODEL	CAPACITY (BASED ON WHEAT)
SCM-1	1 TPH
SCM-2	2 TPH

DUST CONTROL SYSTEM

Centrifugal fans: - **The centrifugal fan** is a medium pressure fan having backward curved steel blades manufactured in steel plate.

The impeller is self-cleaning and dynamically balanced. The spiral housing is made of welded steel plate.

AIR LOCK: - Air-lock valve is used for discharge of dust and other separated particles from systems working with vacuum or pressure. It is dust proof and is used as a pressure block between a cyclone and a dust collecting bag. In connection with dust collecting Centrifugal Fans the air-lock valve is mounted between the bottom outlet of the cyclone and the dust bag, where it ensures a uniform and continuous discharge of dust and other particles, and at the same time minimizes the air escaping through the outlet into the dust bag.

CYCLONE: - SK Cyclonic separation is a method of removing particulates from an air without the use of filters, through vortex separation.

SPOUTINGS: - A to Z Turnkey Solution provider SK AGRO, manufactures and provides Universal Modular Pipe work systems suitable for Grain and Seed Handling. Universal Modular Pipework systems have a wide range of product portfolio.

HANDLING EQUIPMENT

VERTICAL BUCKET ELEVATOR: - Bucket elevators are used for the vertical conveying of free flowing granular material like seeds, grains etc.

CHAIN CONVEYOR: - The drag chain conveyor system, used for dry bulk solids and powder processing, moves powders and granules, particularly fragile materials such as cereals, nuts, coffee beans and food ingredients inside a hygienic, sealed tube. Material is fed into the pockets formed between discs inside of the conveying tube and is pulled through until it reaches the outlet. This is important particularly for food products as it minimizes product degradation and ensures dust-free transfer.

BELT CONVEYOR: - Belt Conveyor is used for handling bulk material. It is fitted with impact toughening idlers for absorbing impact of falling material under loading point of conveyor. It can be provided in horizontal and trough type as per customer requirement. It can also be provided in reversible type as per customer requirement and is having reduction gear drive unit.

INCLINED BELT CONVEYOR: - SK AGRO inclined flight belt conveyors are available in all Flights/cleats, side wall and conveyor belt come in VC/PU/Nylon Food grade material. Hence, AGROSAW flight belt conveyors are specially recommended for delicate seed/grains.

Depending upon the requirement of the customers, flights made of high grade aluminium and without side wall can also be supplied.

SCREW CONVEYOR: - A screw conveyor or auger conveyor is a mechanism that uses a rotating helical screw blade, called a "flighting", usually within a tube, to move liquid or granular materials. They are used in many bulk handling industries. Screw conveyors in modern industry are often used horizontally or at a slight incline as an efficient way to move semi-solid materials, including food waste, cereal grains, animal feed and many others.

Z TYPE ELEVATOR:-

Z elevator is necessary for both vertical and diagonal transportation of all grains, seed and pulse crops. The most important characteristic of the machine is that it doesn't give any harm or damage to the product during transportation and height/width can be as long as the operation requires. There are both fixed and portable models of the machine.

SEED NAMES

WHEAT, PADDY, SOYABEAN, CORIANDER, MAIZE, URAD, MOONAG, CHANA