westrup

MACHINE CATEGORIES

EQUIPPED FOR CHANGE



AIR SCREEN CLEANERS

YOUR OPTIONS

Westrup offers a comprehensive range of air screen cleaning equipment for pre-cleaning, fine cleaning and grading for different types of crops. The air screen cleaners and graders can be designed specially to your needs ensuring the stability of your seed cleaning process.

YOUR SOLUTION

Our range of air screen cleaners and graders consist of basic machines and modular solutions.

BASIC MACHINES: A basic machine can easily be part of a complex cleaning operation. Whether to choose a basic machine depends on your crop, your requirements and your processing needs.

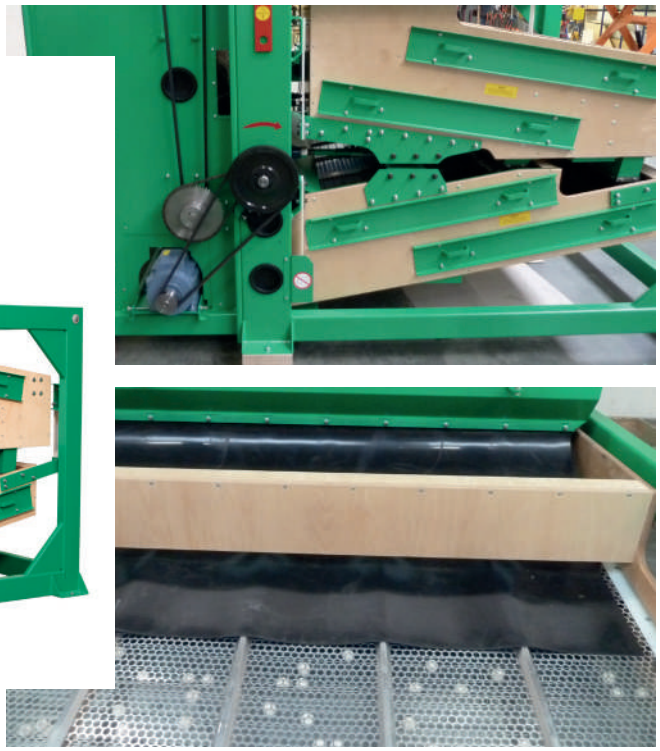
MODULAR SOLUTIONS: Westrup's modular system offers you a choice of more than 60 different modules. When choosing a modular solution, we design the best cleaner or grader for your specific requirements. We select the exact combination of feeding, pre- and final aspiration and sieve modules that will make up the solution that suits your business goal.

NAVIGATOR 4.0: Our automation system, Navigator 4.0, enables you to achieve process stability. With easy access to machine settings, pre-set recipes and intelligent alarms you have full control of your air screen pre and fine cleaners.

Adding the Adaptive Aspiration Control will allow you to maintain a constant air flow in the prodcut sorting zones, decreasing the amount of good product found the in waste.

AIR SCREEN
PRE-CLEANERS





REMOVAL OF LARGE IMPURITIES

Air screen pre-cleaners are used to remove large impurities from incoming seed and grain to relieve the following machines and ready the product for storage.

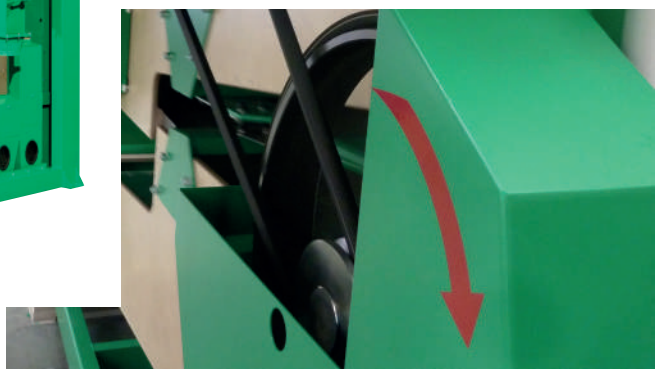
Westrup offers a comprehensive range of air screen pre-cleaning equipment for different purposes, among these for cleaning, sizing, pre-cleaning, market grade cleaning and food grade cleaning. Capacities range from low capacity machines suitable for grain storage facilities to high capacity machines suitable for high intake plants.

CAPACITIES: from 12-480 t/h based on wheat
TYPES: AS, CC, SD, SP & PC

AIR SCREEN
FINE CLEANERS







REMOVAL OF LIGHT IMPURITIES

Air screen fine cleaners remove light impurities by using a precise air stream to lift light foreign material away from the prime product and sieveboats with scalping and sand screens to remove small and large impurities.

Westrup offers many versatile air screen fine cleaning machines suitable for many purposes, amongst these precision cleaning, fine cleaning and sizing.

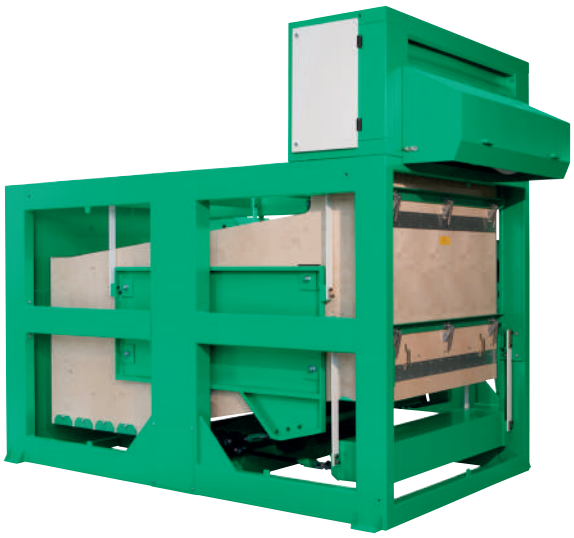
CAPACITIES: from 1.7-48 t/h based on wheat

TYPES: AP, CC, FP, FAU, GAU, UB, UC & UP

MODULAR GRADERS







CALIBRATION OF PRODUCT

Graders are used for separating the product into different grades.

Our modular graders are very compact machines ensuring an accurate sizing into 4 different fractions in just one operation. The machines are suitable for many types of crops especially sunflower seeds, soya beans and corn.

CAPACITIES: from 3.5-18 t/h based on corn (2 grades)

TYPES: GD & GP

INDENTED CYLINDERS

SEPARATION BY LENGTH

Our modular indented cylinders, type TR, offer the option of building several units together to meet specific grading requirements. We also offer an indented cylinder, type H-500, as a stand-alone machine.

These machines handle the separation of short product, long product or both short and long product according to the cylinder combination.

The trough posisition can be manually or electrically adjusted from the outside, by using a reader-friendly scale. This way it becomes easy to achieve the required separation of a wide range of products.



CAPACITIES: from 1-25 t/h based on wheat (short separation)

TYPES: TR & H-500

GRAVITY SEPARATORS

SEPARATION BY WEIGHT

Gravity separation is used for fine grading and removal of impurities with identical particle size but with differences in density. Our gravity separators have a highly efficient air intake with a built-in fan ensuring a uniform air distribution across the entire deck.

Weight separation is often performed in addition to air screen cleaning and length separation to achieve the desired product purity.



CAPACITIES: from 1.5-18 t/h based on wheat

TYPE: KA

FLAT SCREEN SIZERS

FLEXIBLE CLEANING

Flat screen sizers are used for calibration of different crops. We offer very flexible units for pre-cleaning, fine cleaning and sizing, which are easily tailored to any product by choosing suitable screens for the product in question.

CAPACITIES: from 0.7-1.5 t/h based on wheat

TYPE: FB & VBS



SPIRAL SEPARATORS

SEPARATION OF FLAT FROM ROUND SEED

A spiral separator is designed to separate round seeds from flat seeds by means of gravity. We offer various spiral inclinations depending on the type of product to achieve the highest purity of prime product.

This machine can be built with 2 spirals (HT-2) as shown on picture or with up to 8 spirals in one machine.

CAPACITIES: from 0.1-1.6 t/h (HT-2) based on soya beans

TYPE: HT



STRAW SEPARATORS

REMOVAL OF STRAW AND COARSE IMPURITIES

Our straw separator is an efficient pre-cleaner suitable for intake plants with high moisture-content crops containing a particularly high amount of straw and coarse impurities.

The large diameter rotating straw drums and manually adjustable product flow plates gives an optimal removal of straw and other large particles. Two mesh sizes are available to meet the requirements of any crop.

CAPACITIES: from 100-250 t/h based on wheat

TYPE: HG



DE-AWNERS

REMOVAL OF AWNS, HUSKS AND CLIPPING OF SEED

De-awners are used for pre-treatment of various grain types; the purpose of the de-awning operation is to remove awns om barley kernels, loose husks from wheat and to clip oat kernels.

The de-awner can be used where heavy de-awning i required but also for products where only a light de-awning is needed. The degree of de-awning depends on the amount of time the product takes to pass through the housing of the machine.

CAPACITIES: from 6-25 t/h based on wheat

TYPE: CW, CW-D & CWJ



BRUSHING MACHINES

POLISHING AND SPLITTING SEED

Brushing machines are very useful in grass seed installations, especially for splitting twin kernels.

The machines are very easy to clean and therefore very suitable for basic seed plants and installations for the production of flower and garden seed.

The rotating shaft can be installed with different types of brushes or steel beaters to ensure a highly efficient treatment of a wide range of products.

CAPACITIES: from 0.5-1.5 t/h based on grass seed

TYPE: HA



FLUID BED DRYERS

A DRYER AFTER TREATMENT

Our fluid bed dryer is designed as a surface dryer to use after a chemical treatment process and can be used for most kinds of treated seeds.

The inlet section is built to ensure an even spread of product over the full working width of the machine.

For very fragile seeds, it is recommended to fit the FBD with variable speed to protect the seeds from being damaged during processing.

CAPACITIES: from 6-15 t/h based on corn

TYPE: FBD



DRUM CLEANERS

REMOVAL OF COARSE IMPURITIES

The drum cleaner (DC) and drum pre-cleaner (DP) are used to remove coarse impurities, such as paper, pieces of wood or corn cobs from the main product.

Both drum cleaners are suitable for intake sections and silos to relieve the following machines and conveyors.

CAPACITIES: from 100-200 t/h based on wheat

TYPE: DC & DP



BELT & SCREW CONVEYORS

TRANSPORTION OF PRODUCT BETWEEN PROCESSES

We offer different types of screw and belt conveyors to transport product safely from one process to the next.

Different widths are available to match capacity requirements, the type of product processed and the needs of the plant.

TYPE: BT & SN



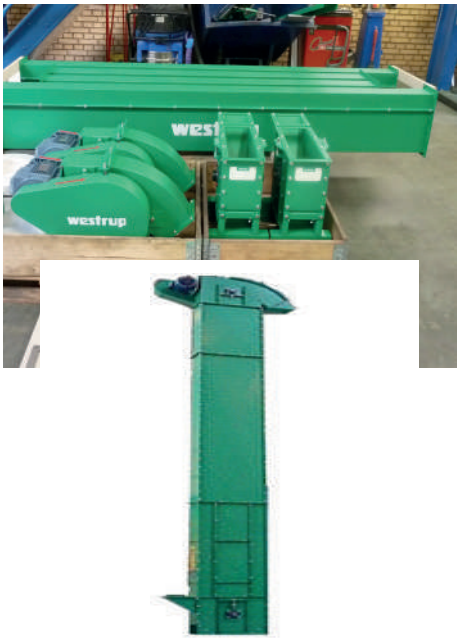
TRANSPORTATION ELEVATORS

TRANSPORTATION OF PRODUCT BETWEEN PROCESSES

Our elevators are suitable for transport of a wide range of products, including oleaginous seeds.

Different widths and heights are available to match capacity requirements, the type of product processed and the needs of the plant.

TYPE: EL



BOX TIPPERS

EMPTYING SEED BOXES

A box tipper is used for emptying seed boxes. After the seed box has been placed in the integrated box rotator, the box tipper rotates the box until it is completely empty.

Our box tipper is designed to minimise dust emission when emptying boxes, as the housing has two connections to the aspiration system. Different widths are available.

TYPE: KV



NOROGARD
SEED TREATERS

WESTRUP X NOROGARD

Westrup ApS took over full production, sale and service of the well-known NoroGard machines in 2022 perfecting the esteemed seed treater and introduced a complete sorting and cleaning line for our valued customers worldwide. Westrup ApS offers machines for the entire post-harvest industry from rough pre-cleaners to air screen cleaners and graders, to seed treaters, dryers, and even small-scale machines meeting all needs in the industry. With NoroGard we have gained a prime product for the industry.

YOUR SOLUTION

UNDERSTANDING SEED TREATERS: A seed treater maximizes the crops' potential by safeguarding the early-season threats such as pests and diseases, boosting germination rate, and enhancing seedling vigor for a healthier and more abundant harvest. The treater saves time for the farmer, as it reduces the need for additional chemicals after sowing.

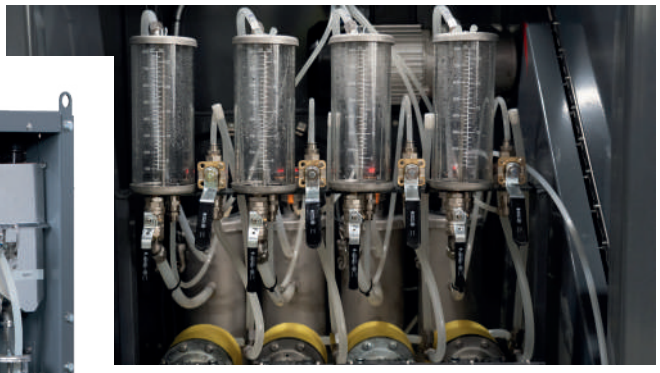
BATCH SEED TREATERS: A batch seed treater is used for pelleting, coating, incrustation, and dressing coaters. Either with a powder or liquid treatment solution. This is done for different reasons, such as to protect the seed from diseases, keep any added fertilizer or pesticide on the seed, to make it visually easy to see when spreading and prolonging the lifespan of the seed.

CONTINUOUS SEED TREATERS: Our continuous seed treaters are designed for the treatment of diverse products such as cereals. The construction ensures an even flow of both seed and treating liquid while assuring a high level of treatment quality.

This is done for different reasons, such as to protect the seed from diseases, keep any added fertilizer or pesticide on the seed, to make it visually easy to see when spreading and prolonging the lifespan of the seed.

CONTINUOUS
SEED TREATERS







TREATMENT IN A CONTINUOUS FLOW

The Continuous Seed Treaters are machines designed for seed plants with a need for treatment of cereals, corn, peas, soybeans, OSR, cotton, sunflowers, and more. The treater provides easy dosage calibration within a closed system, easy and quick cleaning and accurate application, all within its compact and reliable construction.

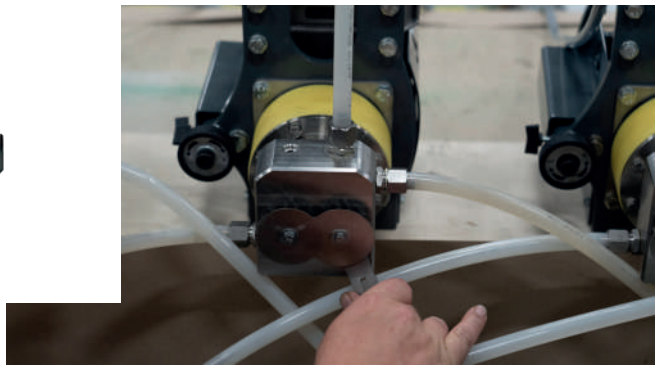
CAPACITIES: from 2,3 – 40,5 t/h*
TYPES: R1, K7, R8, R15, R20, R24, R35, R45 - ULD

* based on wheat with basic application of treatment liquids and powders. The final machine capacity is dependent on customer product type, recipe, number of applications added as well as the required final quality of treatment.

BATCH
SEED TREATERS







COMPLEX TREATMENT IN BATCHES

The batch treaters are your obvious choice when you need a more complex treatment like pelleting, application of separate layers with drying in between and for small seeds like vegetable seeds.

CAPACITIES: from 2,7 – 27 t/h t/h*
TYPES: R534, R800, R1000, R1250 - ULD

* based on wheat with basic application of treatment liquids and powders. The final machine capacity is dependent on customer product type, recipe, number of applications added as well as the required final quality of treatment.

LABORATORY
SEED TREATERS







HIGH QUALITY, SMALL AMOUNTS

A laboratory seed treater for complex treatment to meet high demands regarding application quality, reliability, operator safety, and economy.

CAPACITIES: from 300-3000 ml.*
TYPES: R150, R300

* based on wheat with basic application of treatment liquids and powders. The final machine capacity is dependent on customer product type, recipe, number of applications added as well as the required final quality of treatment.

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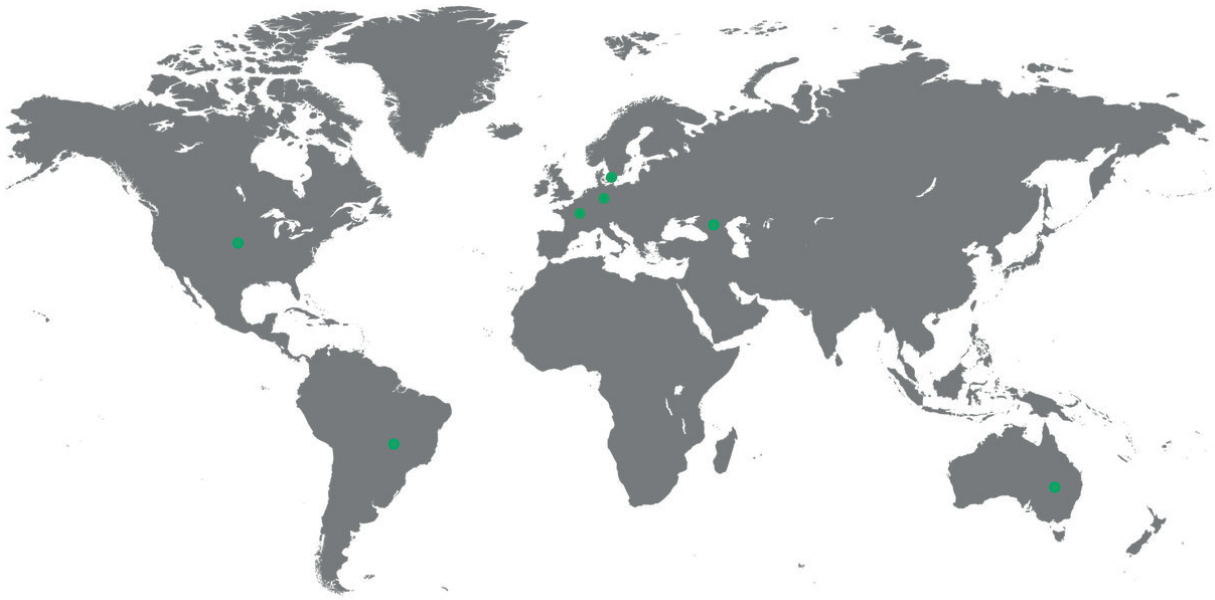

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