The future is green

With seed and grain technology from Westrup



Machines and Equipment

Pre- and Fine Cleaners
Indented Cylinders and Gravity Separators
Graders

westrup
A treat for your seed

All crops, all sizes, all combinations

About Westrup

“A treat for your seed”

Westrup has earned a reputation as one of the leading manufacturers of reliable and high quality machinery for seed conditioning and grain cleaning. We also deliver complete plant installations to customers in the seed and grain processing industries all over the world.

Westrup was founded in 1958 and has since our beginning specialised in the design and manufacture of high-quality machinery and equipment for specific customer needs. This has involved many types of customers processing a large variety of different crops.

Our Manufacturing programme includes equipment of different technological levels ranging from manually operated to fully automated. All machines are easy for the operator to adjust and control the separation. We also build turnkey facilities with capacities up to 500 t/h for industrial cleaning.

Our Customisation policy and close relationship with customers give us the ability to design and build equipment and facilities matching their goals. We always strive to improve existing equipment and processes, meeting or exceeding the requirements of our customers. In our fully equipped laboratory, we offer both staff training and tests of crops in order to choose the correct equipment for a specific crop.

Our Project services range from pre-engineering to full project responsibility integrating all partners under our project management.

Our After sales services comprise a wide range of customised solutions, from preventive maintenance and guidance to regular service check-ups assuring continuous and trouble-free operation.

By choosing Westrup as your preferred partner, your idea is on its way to becoming a reality – from pre-engineering to final commissioning and daily non-stop operation.

Machines

“From small scale laboratory machines to 500 t/h industrial cleaning”

We are proud to say we offer more sizes and types of seed and grain equipment than any other supplier and that the Westrup modular cleaner series is a unique concept for seed conditioning flexibility.

Westrup is a full-line supplier within seed conditioning and seed handling equipment - from manually operated machines to fully automated installations.

Our equipment can handle all crops - from the tiniest most expensive garden seed to very large peas and beans; it is only a question of choosing the right equipment for the crops you will be conditioning (or cleaning).

Our in-house Westrup specialists will be happy to assist you.

When choosing Westrup equipment you are always guaranteed high performance without compromising on the final quality of the crop.

To comply with the constantly changing market requirements, we adapt our equipment and processes incorporating the latest technological features with specific focus on:

- Increasing your profitability
- Securing the reliability of our equipment
- Developing custom designed solutions
- Incorporating industrial high-quality components

We take your crops – and get them sorted...









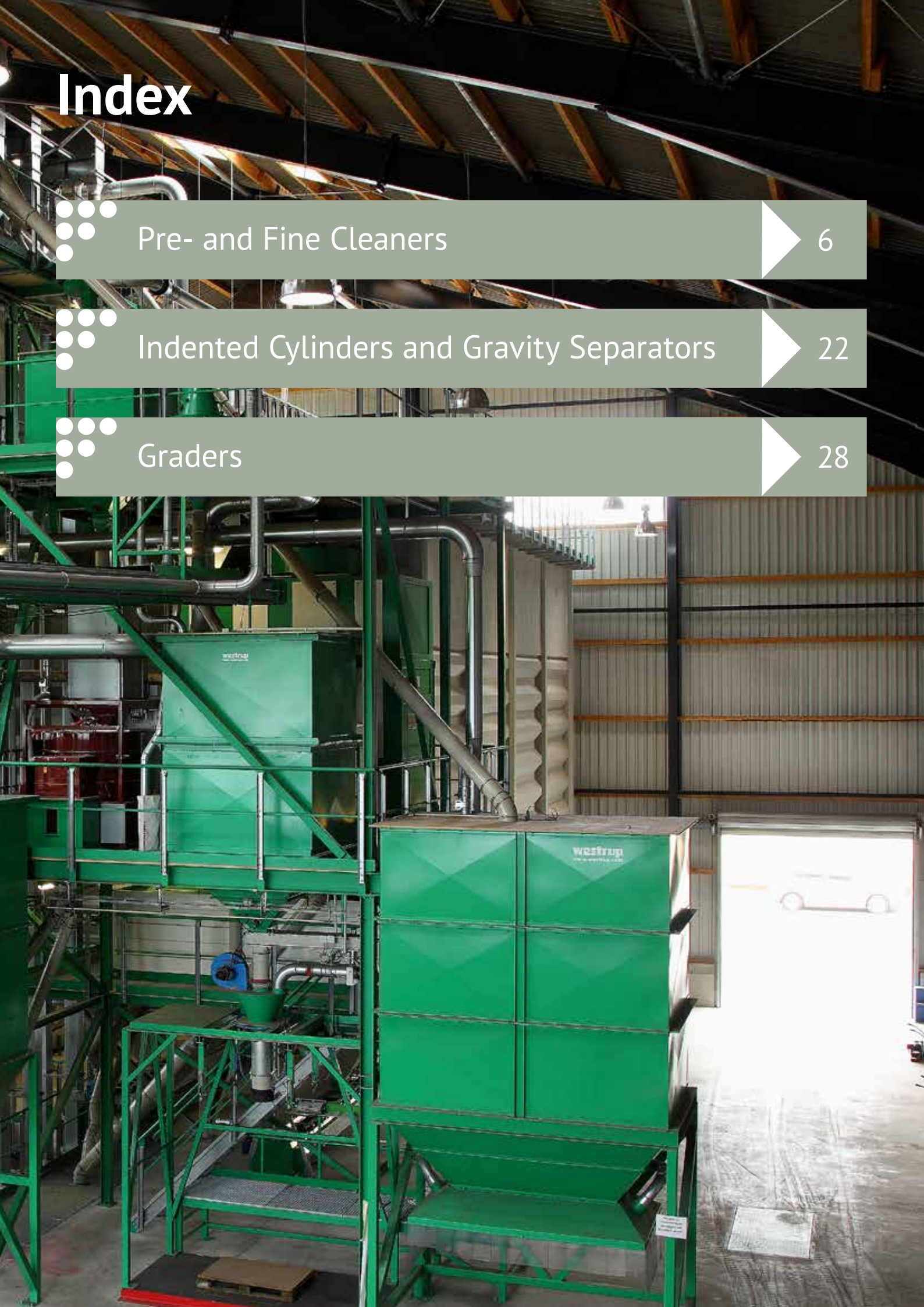
Westrup
– A treat for your seed

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Pre-cleaning and Fine cleaning



”When special cleaning results are required, our engineers are experts in developing unique features and adapting equipment to any application.”

What is pre-cleaning?

Pre-cleaning is the first mechanical process after harvesting with the aim of removing cull material from the main product.

The typical rated capacity is based on incoming product (grain) with max. 18% moisture content and max. 15% impurities.

By removing cull material, a more storage friendly product is obtained and the risk for storage damage is reduced.

What is fine cleaning?

Fine cleaning and/or grading is used for getting the required quality of the prime product by removing cull material, which is larger or smaller (or lighter) than the crop.

The typical capacity is based on incoming product (grain or seed) with max. 14% moisture content and max. 3 - 4% impurities.

Air screen cleaners separate the prime product by width (thickness) and remove light impurities using a precise air stream to lift light cull material.

Advantages for modular cleaners

- Air adjustment by means of servomotor (standard)
- Servomotor adjustment can be done from the control room (optional)
- Possibility to have quick change system for screens
- Possibility to have interlock screen system giving the opportunity to remove screen segments without the ball frames
- Some screen modules are available with multi flow systems giving the operator more screening options for higher capacity or sizing

Types	Capacity based on wheat up to (t/h)	Total screen area (m^2)	Page no.
Pre-cleaners			
PC-600 to 1500	12.0 - 30.0	1.9 - 4.8	8
SAB-600 to 1500	15.0 - 37.0	3.0 - 7.5	9
AS-1000 to 1500	25.0 - 37.0	4.0 - 6.0	10
SI-50 to 70	50.0 - 70.0	8.0 - 12.0	11
SD-1000 to 2000	50.0 - 150.0	8.0 - 24.0	12
SP-1000 to 2500	100.0 - 250.0	16.0 - 40.0	13
CC-1250 to 2500	125.0 - 500.0	15.0 - 60.0	21
Fine cleaners			
SAC-800 to 1500	3.9 - 7.2	5.6 - 10.5	14
UB-600/8 to 1500	1.7 - 8.7	3.3 - 8.4	15
UC-600 to 1500	2.3 - 5.8	3.8 - 9.6	16
AP-1000 to 1500	9.0 - 13.0	12.0 - 18.0	17
FAU-1000 to 1500	6.0 - 17.0	9.6 - 14.4	18
UP-1000 to 2000	3.0 - 11.5	5.6 - 16.0	19
FP-1000 to 2500	5.7 - 50.0	9.6 - 54.0	20
CC-1250 to 2500	12.0 - 48.0	15.0 - 60.0	21

Pre-cleaner

PC-600 / 1000 / 1250 / 1500



The PC pre-cleaner is designed for effective pre-cleaning.

In standard construction, the PC machines are delivered with the following features.

The PC-600 and PC-1000 are fitted with inlet with weight-loaded valve.

The PC-1250 and PC-1500 are fitted with inlet with feed roll.

The screen system consists of one sieveboat with one scalping screen layer and one sand screen layer; both with adjustable inclination of 4°, 6°, 8° or 11°.

Each screen layer consists of two screen parts and all screens are rubber ball cleaned.

The PC does not have an aspiration system.

The machine is fitted with fixed speed drive, and motor.

The machine is of steel construction with sieveboat of laminated wood.

Special optional features:

- Covering of sieveboat with aspiration spout
- Frame, 800 mm high

	Technical specifications			
	PC-600	PC-1000	PC-1250	PC-1500
Capacity based on wheat up to (t/h)	12.0	20.0	24.0	30.0
Screen area (m^2)	1.92	3.2	4.0	4.8
Screen size L=800 mm x W	600	1000	1250	1500

Pre-cleaner

SAB-800 / 1000 / 1250 / 1500



Shown with fan (optional)

The SAB pre-cleaner is designed for effective pre-cleaning.

The SAB is ideally suited as a receiving or general purpose pre-cleaner to remove a percentage of impurities before storage or to increase the efficiency of the precision cleaning line.

It can also be used for special applications such as cleaning barley for malt or for cleaning grain prior to milling.

In standard construction, the SAB machines are delivered with the following features.

The machine is fitted with inlet with feed roll and aspiration chamber with one waste screw conveyor.

The screen system consists of one sieveboat with one short scalping screen layer (one screen part) and two long grading/sand screen layers (two screen parts). All screens are rubber ball cleaned.

With fixed speed drive, motor, and valve pipe for mounting af fan (optional).

The machine is of steel construction with sieveboat of laminated wood.

Special optional features:

- Fan with motor
- Larger fan and motor (for heavy seed)
- Reduced screen inclination
- Frame, 1000 mm high

	Technical specifications			
	SAB-800	SAB-1000	SAB-1250	SAB-1500
Capacity based on wheat up to (t/h)	24.0	30.0	37.0	45.0
Screen area (m^2)	4.0	5.0	6.25	7.5
Screen size L=1000 mm x W	800	1000	1250	1500

Pre-cleaner

AS-1000 / 1500



Shown with fan (optional)

The AS pre-cleaner is a compact machine designed for efficient pre-cleaning.

In standard construction, the AS machines are delivered with the following features.

The AS-1000 is fitted with feeding apparatus with weightloaded flap. The AS-1500 is fitted with feeding apparatus with feed roll.

The aspiration chamber is fitted with one waste screw conveyor.

The screen system consists of two sieveboats with screen change from either side of the machine. The upper sieveboat contains two scalping screen layers with 9° screen inclination; the lower boat contains two grading/sand screen layers with 11° inclination.

Each screen layer consists of one screen part. All screens are rubber ball cleaned.

With fixed speed drive, motor for sieveboat (1.1 kW for AS-1000 and 1.5 kW for AS-1500), and valve pipe for mounting of fan (optional).

The machine is of steel construction with sieveboats of laminated wood.

Special optional features:

- Fan with motor
- Larger fan and motor (for heavy seed)
- Straw drum (instead of feeding apparatus with feed roll)
- Steel lined screen tracks with rubber seal
- Screen inclination for scalping screens 11˚, for sand screens 14˚

	Technical specifications	
	AS-1000	AS-1500
Capacity based on wheat up to (t/h)	24.0	30.0
Screen area (m^2)	4.0	6.0
Screen size L=1000 mm x W	1000	1500

Pre-cleaner

SI-50 / 60 / 70



Shown with fan (optional)

The SI pre-cleaner is designed for efficient pre-cleaning.

The SI is ideally suited as a receiving or general purpose pre-cleaner to remove a percentage of impurities before storage or to increase the efficiency of the precision cleaning line.

It can also be used for special applications such as cleaning malting barley or for cleaning grain prior to milling.

In standard construction, the SI machines are delivered with the following features.

The machine is fitted with feeding apparatus with feed roll and Ø 550 mm straw drum, as well as aspiration system consisting of pre-aspiration and final aspiration.

The screen system consists of two parallel working sieveboats each with one scalping screen layer and one grading/sand screen layer. Each screen layer consists of two screen parts. All screens are rubber ball cleaned.

The machine has fixed speed drive, motor, and valve pipe for mounting of fan (optional).

The machine is of steel construction with sieveboats of laminated wood.

Special optional features:

- Fan with motor
- Larger fan and motor (for heavy seed)
- Straw drum Ø 800 mm
- Feeding apparatus with feed roll (excl. straw drum)
- Variable speed drive of sieveboats
- Steel lined screen tracks with rubber seal

	Technical specifications		
	SI-50	SI-60	SI-70
Capacity based on wheat up to (t/h)	50.0	60.0	75.0
Screen area (m^2)	8.0	10.0	12.0
Screen size L=1000 mm x W	1000	1250	1500

Modular Cleaner – Pre-cleaner

SD-1000 / 1250 / 1500 / 1750 / 2000



The SD mid range modular pre-cleaner performs at high capacity to produce a cleaning result according to requirement.

The SD is excellent for pre-cleaning and general purpose cleaning.

The machine is assembled with modular components to make up a cleaner to suit specific requirements. The great advantage of the modular system is that it also offers the capability of upgrading the machine according to future requirements.

The feeding apparatus can be in various constructions.
Pre-aspiration can be carried out in an aspiration channel with fixed or variable depth connected to an external aspiration system.

Aspiration can also be carried out in a chamber with one or two waste screw conveyors. Final aspiration can be carried out in a channel with variable or fixed depth.

The screen system consists of one sieveboat with fixed or variable screen inclination and from three to six screen layers. All screens are rubber ball cleaned.

The design includes suspended counterweight balancing for smooth operation and lower dynamic loading.

With fixed speed drive, motor, and valve pipe for mounting of fan (optional).

The machine is of steel construction with sieveboat of laminated wood.

	Technical specifications				
E26 Screen diagramme	SD-1000	SD-1250	SD-1500	SD-1750	SD-2000
Capacity based on wheat up to (t/h)	50.0	62.5	75.0	87.5	100.0
Screen area (m^2)	8.0	10.0	12.0	14.0	16.0
E28 Screen diagramme					
Capacity based on wheat up to (t/h)	75.0	94.0	115.0	130.0	150.0
Screen area (m^2)	12.0	15.0	18.0	21.0	24.0
Screen size L= 1000 mm x W	1000	1250	1500	1750	1000

Modular Cleaner – Pre-cleaner

SP-1000 / 1250 / 1500 / 1750 / 2000 / 2500



The SP modular pre-cleaner performs at high capacities with high efficiency.

The SP is excellent for pre-cleaning and general purpose cleaning, also for upgrading existing seed cleaning installations. The SP is also used for food grade and malting barley operations.

The machine is assembled with modular components to make up a cleaner to suit specific requirements. The great advantage of the modular system is that it also offers the capability of upgrading the machine according to future requirements.

The feeding apparatus can be in various constructions.
Pre-aspiration can be carried out in an aspiration channel with fixed or variable depth connected to a central aspiration system, in a chamber with standard air system or with air recirculation.

Aspiration can also be carried out in an air channel in combination with one, two or three air aspiration chambers.

Final aspiration can be carried out in a channel with variable or fixed depth. A double channel with individually variable depth is also available.

The screen system consists of two sieveboats with 4 + 4 screen layers with fixed or variable screen inclination. All screens are rubber ball cleaned.

With fixed speed drive, motor, and valve pipe for mounting of fan (optional).

The machine is of steel construction with sieveboats of laminated wood.

	Technical specifications					
E1 Screen diagramme	SP-1000	SP-1250	SP-1500	SP-1750	SP-2000	SP-2500
Capacity based on wheat up to (t/h)	100.0	125.0	150.0	175.0	200.0	250.0
Screen area (m^2)	16.0	20.0	24.0	28.0	32.0	40.0
Screen size L = 1000 mm x W	1000	1250	1500	1750	1000	1250

Universal Cleaner

SAC-800 / 1000 / 1250 / 1500



Shown with fan (optional)

The SAC universal cleaner is designed for both high volume pre-cleaning as well as fine cleaning at lower capacity.

As a fine cleaner, the SAC performs well for malting barley and cleaning grain prior to milling. With two parallel sifting screens a more accurate sifting for removal of fines and small impurities is achieved, which is critical to achieve malting barley and milling standards.

The aspiration is precise with both pre- and final air channels connected to one common aspiration chamber.

In standard construction, the SAC machines are delivered with the following features.

Inlet with feed roll and aspiration chamber with one waste screw conveyor.

The screen system consists of one sieveboat with one short scalping screen layer (one screen part), one long scalping screen layer and two long grading/sand screen layers (each two screen parts). All screens are rubber ball cleaned.

With fixed speed drive, motor, and valve pipe for mounting of fan (optional).

The machine is of steel construction with sieveboat of laminated wood.

Special optional features:

- Fan with motor
- Larger fan and motor (for heavy seed)
- Frame, 1000 mm high

	Technical specifications			
Screen systems	SAC-800	SAC-1000	SAC-1250	SAC-1500
Pre-cleaning capacity based on wheat up to (t/h)	24.0	30.0	37.0	45.0
Fine cleaning capacity based on wheat up to (t/h)	3.0	4.0	6.0	7.0
Screen area (m^2)	5.6	7.0	8.75	10.5
Screen size L=1000 mm x W	1000	1000	1250	1500

Fine Cleaner – Universal separator

UB-600 / 1000 / 1250 / 1500



Shown with fan (optional)

The UB universal separator is used for a wide range of seeds, cereal grains, legumes, grass seed, and vegetable seed.

In standard construction, the UB machines are delivered with the following features.

The machine is fitted with inlet and feed roll with mechanically variable speed drive.

The aspiration system consists of pre- and final air channels with two aspiration chambers and two waste screw conveyors.

A false air valve is standard and important for balancing the air flow for a wide range of seeds.

The screen system consists of one sieveboat with one short scalping screen layer (one screen part), one long scalping screen layer, and one long sand screen layer (each three screen parts). All screens are rubber ball cleaned.

With fixed speed drive, motor, and valve pipe for mounting of fan (optional).

The machine is of steel construction with sieveboat of laminated wood.

Special optional features:

- Fan with motor
- Larger fan and motor (for heavy seed)
- Vibratory feeder (instead of feed roll)
- Electrically variable speed feed roll
- Variable speed drive
- Screen in final aspiration (rise air screen)
- Different sieveboat constructions
- Frame, 1000 mm high

	Technical specifications			
Screen systems	UB-600	UB-1000	UB-1250	UB-1500
Capacity based on wheat up to (t/h)	1.5	3.0	3.8	4.5
Screen area (m^2)	3.36	5.6	7.0	8.4
Screen size L=800 mm x W	600	1000	1250	1500

Fine Cleaner – Air/Screen cleaner

UC-600 / 1000 / 1250 / 1500



The UC air/screen cleaner is primarily designed for cleaning and grading of vegetable seeds and cereals.

In standard construction, the UC machines are delivered with the following features.

The machine is fitted with inlet with feed roll and aspiration system consisting of pre- and final aspiration.

The two aspiration chambers have rotary airlock discharges (instead of screw conveyors), where the light fractions are lifted and discharged into collection pans mounted on top of the sieveboat.

A false air valve is standard and important for balancing the air flow for a wide range of seeds.

The screen system consists of one sieveboat with four screen layers (each two screen parts); first and third layers are scalping; second and fourth layers are grading/sand. All screens are rubber ball cleaned.

With fixed speed drive, motor, and valve pipe for mounting of fan (optional).

The machine is of steel construction with sieveboat of laminated wood.

Special optional features:

- Fan with motor
- Vibratory feeder (instead of feed roll)
- Electronic variable speed drive

	Technical specifications			
Screen systems	UC-600	UC-1000	UC-1250	UC-1500
Capacity based on wheat up to (t/h)	2.5	4.0	5.0	6.0
Screen area (m^2)	3.8	6.4	8.0	9.6
Screen size L=800 mm x W	600 mm	1000 mm	1250 mm	1500 mm

Fine Cleaner

AP-1000 / 1250 / 1500



The AP high performance cleaner is designed for fine cleaning of cereals.

In standard construction, the AP machines are delivered with the following features.

The machine is fitted with feeding apparatus with weightloaded spreading valve and feed roll.

The aspiration system consists of a pre-aspiration chamber and a final aspiration chamber, both with waste screw conveyor.

The screen system consists of two sieveboats where the upper sieveboat contains two parallel scalping screen layers with 4° screen inclination and the lower boat contains three parallel grading/sand screen layers with 5° inclination.

Each screen layer consists of three screen parts. All screens are rubber ball cleaned.

With fixed speed drive, motor, and valve pipe for mounting of fan (optional).

The machine is of steel construction with sieveboats of laminated wood.

Special optional features:

- Fan with motor
- Steel lined screen tracks with rubber seal
- Electronic variable speed drive

	Technical specifications		
Screen systems	AP-1000	AP-1250	AP-1500
Capacity based on wheat (t/h)	9.0	11.0	13.0
Screen area (m^2)	12.0	15.0	18.0
Screen size L=800 mm x W	1000	1250	1500

Fine Cleaner

FAU-1000 / 1250 / 1500



Shown with fan (optional)

The FAU fine cleaner is designed to be the primary air/screen machine for ultra precision separation of impurities from high value seed.

In standard construction, the FAU machines are delivered with the following features.

The machine is fitted with feeding apparatus and feed roll with variable speed drive, as well as three aspiration chambers with three waste screw conveyors.

The screen system consists of two sieveboats with multi-flow variable screen system and variable speed drive. Screen flow 2/2 is standard, where each sieveboat contains two screen layers each consisting of three screen parts. All screens are rubber ball cleaned.

With speed drive, motor, and valve pipe for mounting of fan (optional).

The machine is of steel construction with sieveboats of laminated wood.

Special optional features:

- Fan with motor
- Larger fan and motor (for heavy seed)
- Electrically variable speed for feed roll
- Rubber covered feed roll
- Vibratory feeder (instead of feed roll)
- False air valve
- Adjustable final aspiration channel
- Screen flow 2/1/2 and 2/3
- Frame, 1000 mm high

	Technical specifications		
FAU 2/2 Screen diagramme	FAU-1000	FAU-1250	FAU-1500
Capacity based on wheat up to (t/h)	8.0	10.0	12.0
Screen area (m^2)	9.6	12.0	14.4
FAU 2/3 Screen diagramme			
Capacity based on wheat up to (t/h)	11.5	14.4	17.0
Screen area (m^2)	12.0	15.0	18.0
FAU 2/1/2 Screen diagramme			
Capacity based on wheat up to (t/h)	11.5	14.4	17.0
Screen area (m^2)	11.2	14.4	16.5
Screen size L=800 mm x W	1000	1250	1500

Modular Cleaner – Fine cleaner

UP-1000 / 1250 / 1500 / 1750 / 2000



The UP mid range modular cleaner is a universal cleaner applicable for pre-cleaning or fine cleaning.

The UP is excellent for seed cleaning purposes, including cleaning of vegetable seed, grass seed, and heavy crops such as peas and beans. When fitted with an aspiration chamber, it is also suitable for cleaning maize.

The machine is assembled with modular components to make up a cleaner to suit specific requirements. The great advantage of the modular system is that it also offers the capability of upgrading the machine according to future requirements.

The feeding apparatus can be in various constructions.

Pre-aspiration can be carried out in an aspiration channel with fixed or variable depth connected to an external aspiration system.

Aspiration can also be carried out in pre- and final air channels and with one or two aspiration chambers.

The screen system consists of one sieveboat with fixed or variable screen inclination. The design includes suspended counterweight balancing for smooth operation and lower dynamic loading. All screens are rubber ball cleaned.

With speed drive, motor, and valve pipe for mounting of fan (optional).

The machine is of steel construction with sieveboats of laminated wood.

	Technical specifications				
E20 Screen diagramme	UP-1000	UP-1250	UP-1500	UP-1750	UP-2000
Capacity based on wheat up to (t/h)	3.0	3.6	4.2	5.0	5.8
Screen area (1 short + 2 long layers) (m^2)	5.6	7.0	8.4	9.8	11.2
E23 Screen diagramme					
Capacity based on wheat up to (t/h)	5.8	7.2	8.6	10.0	11.5
Screen area (1 short + 3 long layers) (m^2)	8.0	10.0	12.0	14.0	16.0
Screen size: L = 800 mm x W	1000	1250	1500	1750	1000

Modular Cleaner – Fine cleaner

FP-1000 / 1250 / 1500 / 1750 / 2000/ 2500



The FP modular fine cleaner performs at high capacities with high efficiency.

The FP is excellent at precision cleaning of all varieties of seed and grain as well as sizing when very high cleaning standards are required.

The machine is assembled with modular components to make up a cleaner to suit specific requirements. The great advantage of the modular system is that it also offers the capability of upgrading the machine according to future requirements.

The feeding apparatus can be in various constructions.

Pre-aspiration can be carried out in an aspiration channel with fixed or variable depth connected to an external aspiration system.

Aspiration can also be carried out in pre- and final air channels, and with one or two aspiration chambers.

Rotary valves can be supplied instead of screw conveyors or the machine can be equipped with air recirculation.

Final aspiration can be carried out in a channel with variable or fixed depth. A double channel with individually variable depth is also available.

The screen system consists of two sieveboats with fixed or variable screen inclination and different number of screen layers. All screens are rubber ball cleaned.

With speed drive, motor, and valve pipe for mounting of fan (optional).

The machine is of steel construction with sieveboats of laminated wood.

	Technical specifications					
E3 Screen diagramme	FP-1000	FP-1250	FP-1500	FP-1750	FP-2000	FP-2500
Capacity based on wheat up to (t/h)	5.8	7.2	8.6	10.0	11.5	14.5
Screen area (m^2)	9.6	12.0	14.4	16.8	19.2	24.0
E5 Screen diagramme						
Capacity based on wheat up to (t/h)	9.0	11.0	13.0	15.0	17.0	21.5
Screen area (m^2)	14.4	18.0	21.6	25.2	28.8	36.0
E7 Screen diagramme						
Capacity based on wheat up to (t/h)	14.5	18.0	21.5	25.0	29.0	36.0
Screen area (m^2)	16.8	21.0	25.2	29.4	33.6	42.0
E9 Screen diagramme						
Capacity based on wheat up to (t/h)	11.5	14.5	17.0	20.0	23.0	29.0
Screen area (m^2)	16.8	21.0	25.2	29.4	33.6	42.0
E14 Screen diagramme						
Capacity based on wheat up to (t/h)	17.0	21.5	26.0	30.0	35.0	43.0
Screen area (m^2)	19.2	24.0	28.8	33.6	38.4	48.0
E15 Screen diagramme						
Capacity based on wheat up to (t/h)	20.0	25.0	30.0	35.0	40.0	50.0
Screen area (m^2)	21.5	27.0	32.4	37.8	43.2	54.0
Screen size: L = 800 mm x W	1000	1250	1500	1750	1000	1250

Modular Cleaner – Universal cleaner

CC-1250 / 1500 / 1750 / 2000 / 2500



With 1 sieveboat



With 2 sieveboats

The CC modular cleaner is a universal cleaner performing at high capacities.

The CC is excellent at precision cleaning of all varieties of seed and grain as well as pre-cleaning and sizing when very high cleaning standards are required.

The machine is assembled with modular components to make up a cleaner to suit specific requirements. The great advantage of the modular system is that it also offers the capability of upgrading the machine according to future requirements.

The feeding apparatus can be in various constructions.

Pre-aspiration can be carried out in an aspiration channel with fixed or variable depth connected to an external aspiration system.

Aspiration can also be carried out in pre- and final air channels, and with one or two aspiration chambers.

Optional rotary valves can be ordered instead of screw conveyors.

Final aspiration can be carried out in a channel with variable or fixed depth. A double channel with individually variable depth is also available.

The screen system consists of one or two sieveboats with fixed or variable flow set-up. Each sieveboat contains four screen layers. All screens are rubber ball cleaned.

With speed drive, motor, and valve pipe for mounting of fan (optional).

The machine is of steel construction with sieveboat of laminated wood.

	Technical specifications				
E60 Screen diagramme	CC-1250	CC-1500	CC-1750	CC-2000	CC-2500
Capacity based on wheat up to (pre-) (t/h)	125.0	150.0	175.0	200.0	250.0
Capacity based on wheat up to (fine) (t/h)	12.0	14.4	16.8	19.2	24.0
Screen area (m^2)	15.0	18.0	21.0	24.0	30.0
E50 Screen diagramme					
Capacity based on wheat up to (pre-) (t/h)	250.0	300.0	350.0	400.0	500.0
Capacity based on wheat up to (fine) (t/h)	24.0	28.8	33.6	38.4	48.0
Screen area (m^2)	30.0	36.0	42.0	48.0	60.0
Screen size: L = 1000 mm x W	1250	1500	1750	1000	1250

Indented Cylinders and Gravity Separators



”Westrup always strives to improve equipment and processes to meet the requirements of our customers.”

What is an indented cylinder?

Before length separation, the crop has to be fine cleaned to an optimal quality.

Length separation is used for removing broken/short material from the main product in one cylinder and long material from the main product in a second cylinder.

What is a gravity separator?

Before specific weight separation, the crop has to be fine cleaned to an optimal quality.

Gravity separation is used to separate the crop by specific weight, which means removing light and heavy impurities from the prime product.

The gravity separator removes the lightest product the shortest way in order not to disturb the further separation process. The good heavy product will then get a long separation process on the deck.





Types	Capacity based on fine cleaned wheat (t/h)	Page no.
Indented Cylinders		
H-500 x 1000 to 2500	1.0 - 4.0	24
TR-620 to 1250	5.0 - 25.0	25
Gravity Separators		
KA-1200 to 2600	1.5 - 6.0	26
KA-3300 to 5500	7.0 - 16.0	27

Indented Cylinder

H-500 x 1000 / 1500 / 1900 / 2500



The H-500 indented cylinder is a modular unit, which can be used as a single machine or built together in different combinations.

This means that capacities in existing plants can be increased at any time by adding one or more cylinders.

In standard construction, the H-500 indented cylinders are delivered with the following features.

The machine is with exchangeable mantle (H-500x1000 in one piece; other sizes in two pieces) and safety access doors.

With fixed speed drive and gear motor.

The machine is of steel construction.

Special optional features for H-500 x 1000:

- Variable speed drive
- Vibrating trough
- Outlet brake

Special optional features for H-500 x 1500 / 1900 / 2500:

- Variable speed drive
- Vibrating trough (only for H-500 x 1500)
- Outlet brake
- Spreading plates
- Adjustable inclination

	Technical specifications		
	Capacity based on wheat up to (t/h)	Mantle size (Diam. mm)	Gear motor (kW)
H-500 x 1000	1.0	500 x 1000	0.25
H-500 x 1500	2.0	500 x 1500	0.37
H-500 x 1900	3.0	500 x 1900	0.37
H-500 x 2500	4.0	500 x 2500	0.55

Indented Cylinder

TR-620 / 625 / 630 / 725 / 730 / 930 / 940 / 1240 / 1250



The TR indented cylinder is a modular unit, which can be used as a single machine or built together in different combinations.

This means that capacities in existing plants can be increased at any time by adding one or more cylinders.

In standard construction, the TR indented cylinders are delivered with the following features.

The machine is with infinitely adjustable trough position, exchangeable two, three or four–parted mantle, and safety access doors.

With fixed speed drive and gear motor.

The machine is of steel construction.

Special optional features:

- Electrical adjustment of trough
- Mechanically variable speed drive
- Gas lifting device for one access door
- Compressed air clean down pipe work system
- Top cover made of steel plate

	Technical specifications		
	Capacity based on wheat up to (t/h)	Mantle size (Diam. mm)	Gear motor (kW)
TR-620	4.0	600 x 1910	1.1
TR-625	5.0	600 x 2410	1.1
TR-630	6.0	600 x 2910	1.1
TR-725	7.5	700 x 1910	1.5
TR-730	9.0	700 x 2410	1.5
TR-930	12.0	900 x 2910	2.2
TR-940	16.0	900 x 3910	3.0
TR-1240	20.0	1200 x 3910	5.5
TR-1250	25.0	1200 x 4910	5.5

Gravity Separator

KA-1200 / 1500 / 1900 / 2200 / 2600





The KA gravity separator is used as a finishing separator to remove impurities, which are similar in size to the prime seed, but have a lower weight. The lower test weight indicates lower germination and seed with less vigour than the prime seed.

In standard construction, the KA gravity separators are delivered with the following features.

The machine is with adjustable inlet.

The eccentric vibrating grading deck is with standard covering and adjustable guide plates, as well as with manually adjustable stroke length, eccentric rpm, air quantity, and deck inclinations (sideways and lengthways).

The machine is complete with built–in fan.

The machine is of steel construction with the grading deck of waterproof laminated wood.

Special optional features:

- Excl. air filter
- Excl. outlet bench
- Dust extraction chute at inlet
- Dust hood over the complete deck
- Hydraulic adjustment for deck inclinations
- Programmable hydraulic PLC control, operator panel with memory

	Technical specifications			
	Capacity based on wheat up to (t/h)	Deck size (m^2)	Motor, built-in fan (kW)	Motor, deck (kW)
KA-1200	1.5	0.53	7.5	0.75
KA-1500	2.1	0.80	7.5	0.75
KA-1900	3.6	1.05	11.0	1.1
KA-2200	4.3	1.44	11.0	1.1
KA-2600	6.0	2.15	11.0	1.1

Gravity Separator

KA-3300 / 4400 / 5500



The KA gravity separator is used as a finishing separator to remove impurities, which are similar in size to the prime seed, but have a lower weight. The lower weight indicates lower germination and seed with less vigour than the prime seed.

In standard construction, the KA gravity separators are delivered with the following features.

The machine is with eccentric vibrating grading deck with standard covering for grain (ripple deck) and deck change from the side of the machine; hydraulic adjustment for deck inclinations, incl. frequency converter.

With air silencer for intake air, built-in fan, speed drive, and motors.

The machine is of steel construction with the grading deck frame of aluminum.

Special optional features:

- Deck with covering for small seeds (instead of ripple deck)
- Dust hood at inlet, 1/3 of the deck
- Dust hood over the complete deck
- Programmable hydraulic PLC control, operator panel with memory
- Larger motor for heavy seed

	Technical specifications			
	Capacity based on wheat up to (t/h)	Deck size (m^2)	Motor, built-in fan (kW)	Motor, deck (kW)
KA-3300	7.0	2.4	15.0	3.0
KA-4400	12.0	3.4	18.5	3.0
KA-5500	16.0-18.0	6.1	30.0	3.0

Graders

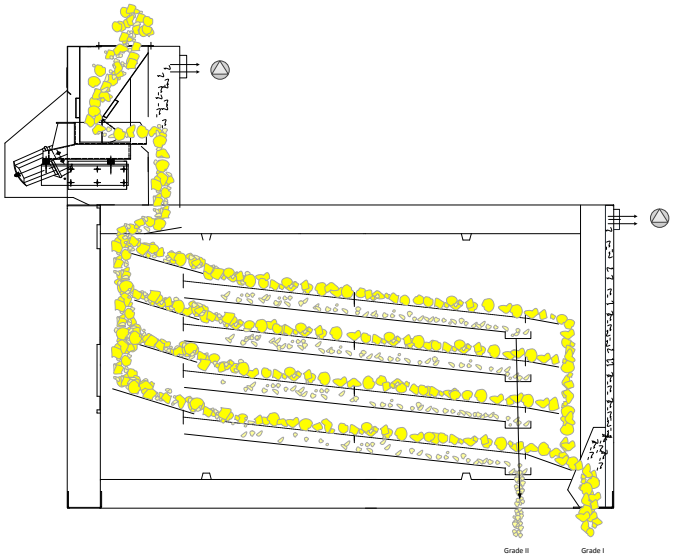


”We focus on increasing your profitability, securing the reliability of our equipment, and creating user-friendly and long-term technical solutions.”

What is grading?

A grading process always comes after fine cleaning for more accurate sizing in thickness and width.

Further separation of each grade is normally required using a gravity separator.



Advantages

- Very compact grader solution compared with other traditional graders.
- Only one grader is required to achieve higher capacity compared with traditional cylinder grading.
- Sizing screens with “seed tumbling plates” for high performance.
- Easy and fast change from one product to another, e.g. due to the quick change system for screens.
- Possibility of more accurate grading to special sizes because of the small incremental changes available using metric screens compared to the ‘inch’ system.
- Easy to overview the grading process due to the combination of having all grading processes in one unit.
- Cost efficient installation and maintenance compared with traditional grading.
- Possibility for either vibrator feeder or feed roll with variable speed.

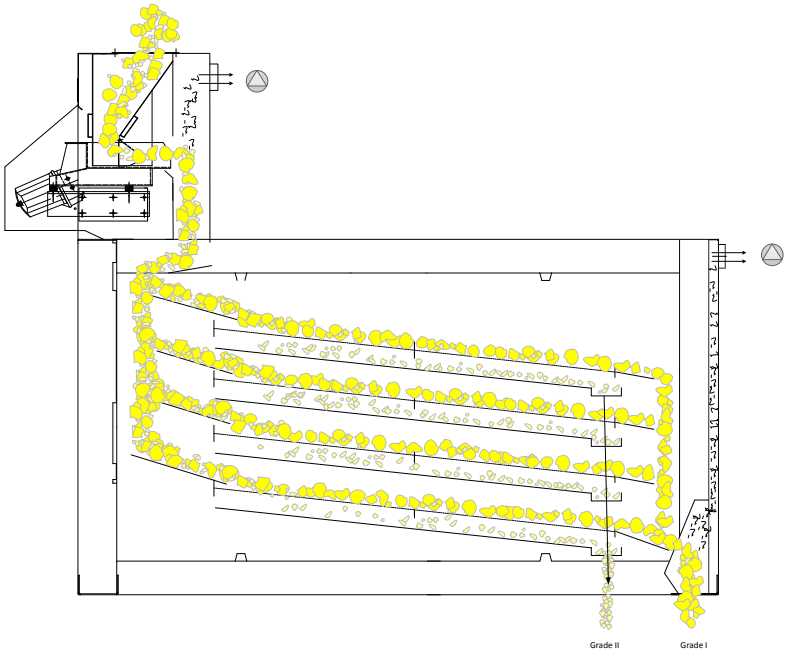
Types	**Capacity** based on maize (t/h)	**Capacity** based on sunflower (t/h)	**Total screen area** (m^2)	**Grades** (pcs.)	**Page no.**
SD-1000 to 1750	11.0 - 20.0	1.7 - 3.0	8.0 - 14.0	2	30
UP-1000 to 1750	3.5 - 6.0	1.1 - 2.0	7.2 - 12.6	4	31
FP-1000 to 1750	10.0 - 18.0	3.5 - 6.0	21.6 - 37.8	4	32
SP-1000 to 1750	22.0 - 38.0	3.5 - 6.0	16.0 - 28.0	2	33
VBS-600 to 1000	0.1 - 1.0	-	0.9 - 3.2	2 - 4	34

Grader

SD-1000 / 1250 / 1500 / 1750



Photo shows SD-1500-A7-B5-D8-E30
(Enclosed with doors - optional)



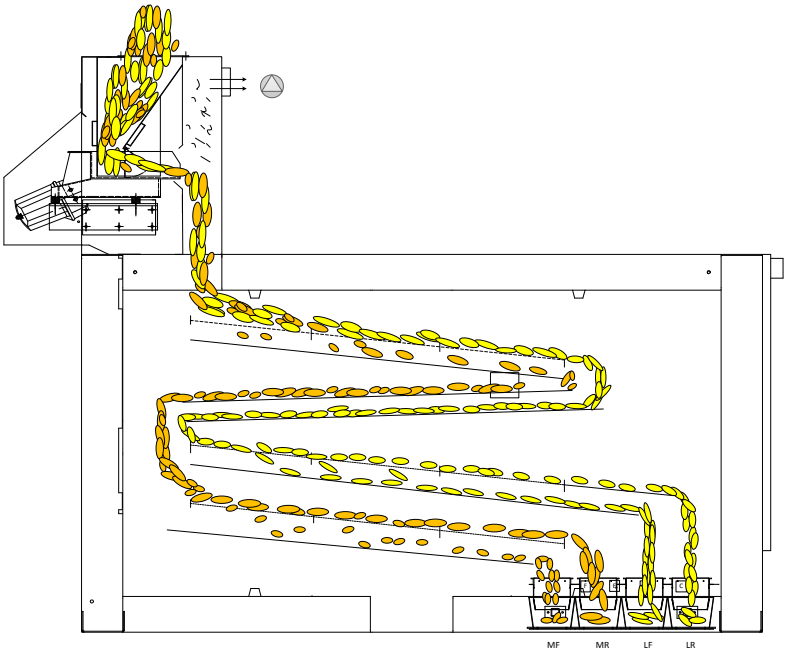
	Technical specifications, E30			
	SD-1000	SD-1250	SD-1500	SD-1750
Capacity based on corn (maize) (t/h)	11.0	14.0	17.0	20.0
Capacity based on sunflower (t/h)	1.7	2.1	2.6	3.0
Grading screen area (m^2)	8.0	10.0	12.0	14.0
Grades	2	2	2	2
No. of screen parts	8	8	8	8

Grader

UP-1000 / 1250 / 1500 / 1750



Photo shows UP-1500-A7-B5-E81
(Vibrator feeder A7 - optional)



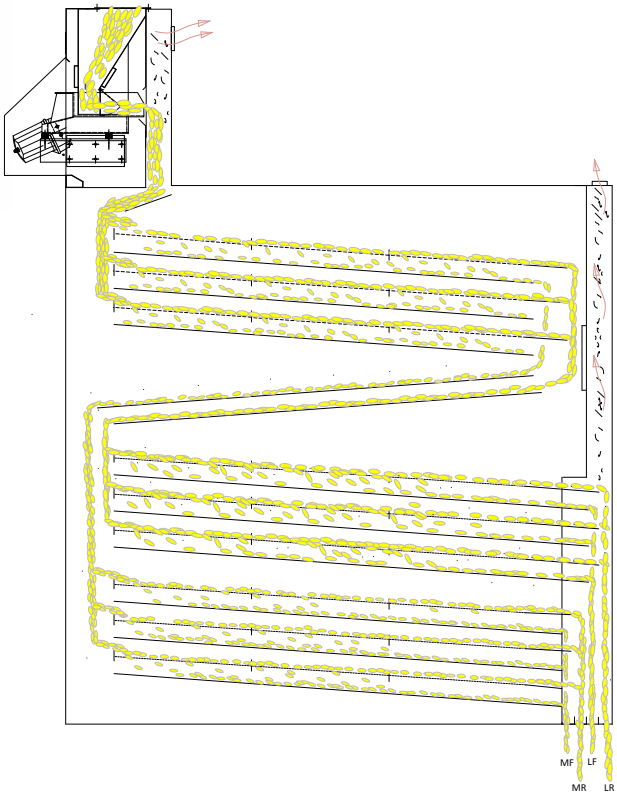
	Technical specifications, E81			
	UP-1000	UP-1250	UP-1500	UP-1750
Capacity based on corn (maize) (t/h)	3.5	4.2	5.0	6.0
Capacity based on sunflower (t/h)	1.1	1.4	1.7	2.0
Grading screen area (m^2)	7.2	9.0	10.8	12.6
Grades	4	4	4	4
No. of screen parts	9	9	9	9

Grader

FP-1000 / 1250 / 1500 / 1750



Photo shows FP-1500-A1-B5-E91
(Enclosed with doors - optional)



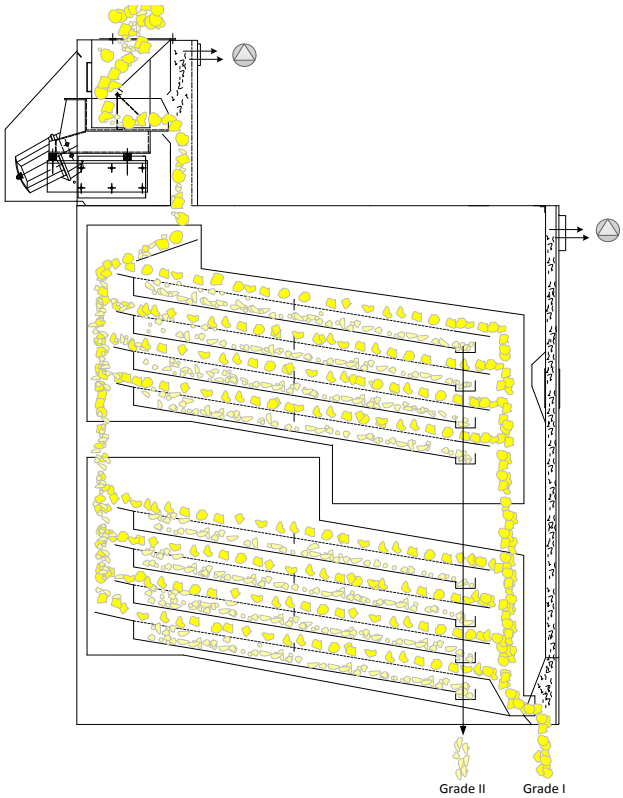
	Technical specifications, E91			
	FP-1000	FP-1250	FP-1500	FP-1750
Capacity based on corn (maize) (t/h)	10.0	12.5	15.0	18.0
Capacity based on sunflower (t/h)	3.5	4.4	5.1	6.0
Grading screen area (m^2)	21.6	27.0	32.4	37.8
Grades	4	4	4	4
No. of screen parts	27	27	27	27

Grader

SP-1000 / 1250 / 1500 / 1750



Photo shows SP-1250-A1-B5-E11
(Enclosed with doors - optional)



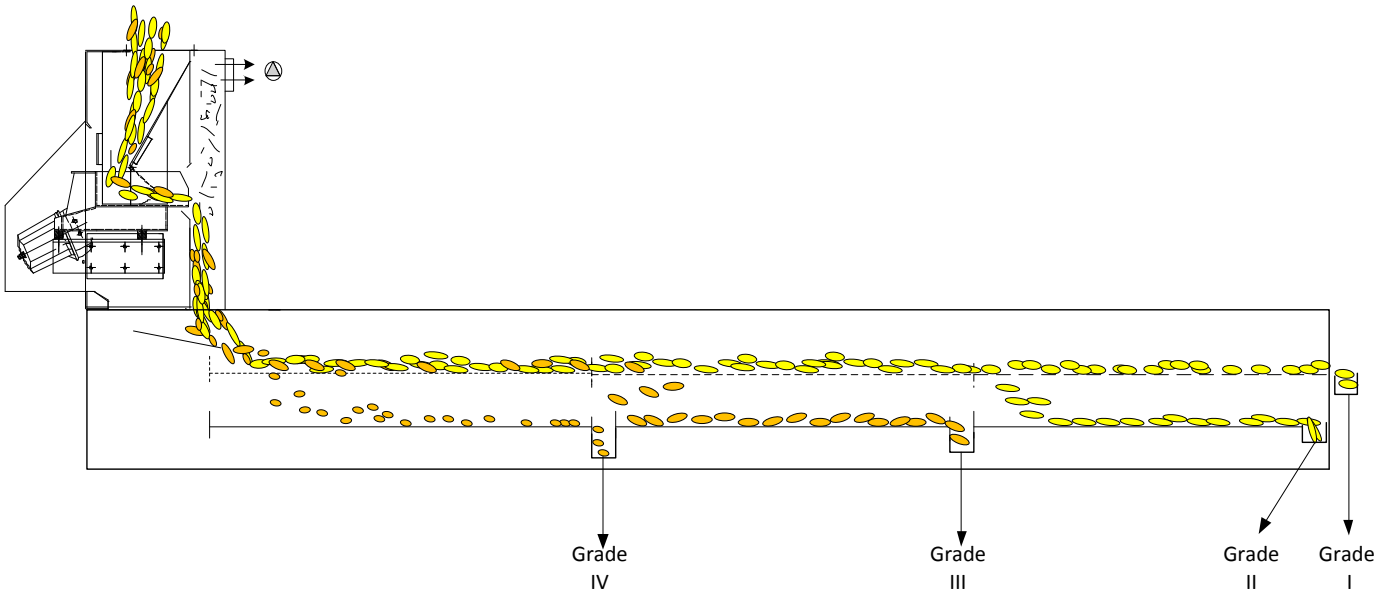
	Technical specifications, E11			
	SP-1000	SP-1250	SP-1500	SP-1750
Capacity based on corn (maize) (t/h)	22.0	27.5	33.0	38.0
Capacity based on sunflower (t/h)	3.5	4.4	5.2	6.1
Grading screen area (m^2)	16.0	20.0	24.0	28.0
Grades	2	2	2	2
No. of screen parts	16	16	16	16

Grader

VBS-600 / 1000



Photo shows VBS-600
(Inlet - optional)



	Technical specifications	
	VBS-600	VBS-1000
Capacity based on corn (maize) (t/h)	0.1 - 0.4	0.5 - 1.0
Grading screen area (m^2)	0.9 - 1.4	1.6 - 2.4
Grades	2 - 4	2 - 4
No. of screen parts	2 - 3	2 - 3

Westrup

Full-line supplier



Pre-cleaners
Fine cleaners



Graders



Indented cylinders



Gravity separators



Other processing equipment



Laboratory equipment

After Sales Service

Project Management



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A treat for your seed