



DRUM CLEANER WITH ASPIRATION - COMBINED



Agro-industry



ZANIN F.LLI

Highly specialized in the production of cereal cleaners, started its activity in 1956 and very quickly became absolute leaders on the Italian market while attaining a solid reputation abroad. This Zanin F.Lli catalogue presenting its new range of machines, specific for each type of grain to be cleaned or graded/sorted, is the result of years of constant commitment and continuous research into cereal cleaning. On-going development and new devices ensure a continually better product yield.

ZANIN F.LLI

Is also engaged in the manufacture of a complete range of:
SIEVE CLEANERS - VIBRATING SIEVE CLEANERS
DRIED STONES SEPARATOR



INDEX OF CLEANERS

pag. 03 - 04



Mod. PPR
ROTARY PRE-CLEANER

pag. 05 - 06



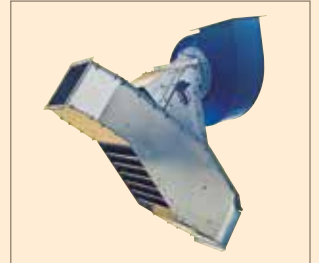
Mod. PRA
ROTARY CLEANER
WITH ASPIRATION

pag. 07 - 08



Mod. CR
GRADER

pag. 09 - 10



Mod. PA-I
INCLINED ASPIRATOR UNIT

pag. 11 - 12



Mod. PA-T
ASPIRATOR PRE-CLEANER

pag. 13 - 14



Mod. PA-TD
ASPIRATOR PRE-CLEANER
WITH DECANter

pag. 15 - 16



Mod. PA-D
ASPIRATOR CLEANER
WITH DECANter

pag. 17 - 18



Mod. PA-DTR
DRUM CLEANER
WITH DECANter

pag. 19 - 20



Mod. TS
CLEANING MACHINE
FOR ROUGH PRODUCT

pag. 21 - 22



Mod. COMBI
SUITABLES FOR VEHICLES

pag. 23 - 24



Mod. SA
AIR SEPARATOR

pag. 25



MOBILE COMBINED
CLEANER
ROTARY CLEANER
WITH ASPIRATION

pag. 26



TYPE OF TRAILERS
10 km/h
40 km/h
Roll-off version

pag. 27 - 28



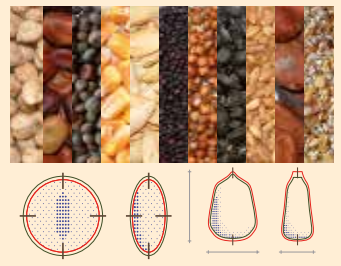
CONSTRUCTION DETAILS

pag. 29 - 30



ACCESSORIES
AND OPTIONALS

pag. 31 - 32



SIZE OF PROCESSED
CEREALS AND SCREENS
CHOICE



PPR

ROTARY PRE-CLEANER

This pre-cleaner is designed for fast removal of light and rough impurities in the cereal. It is essential for the quality of the cereal that a pre-cleaner is installed at the dryer inlet. It homogenizes the product, preventing clogging and reducing energy consumption. The version with aspiration reduces the emission of dust into the atmosphere.



CONSTRUCTION

- Cowling and drum support uprights in pressed galvanised sheet
- Mobile lateral doors fitted with handle and lock
- Perforated carbon steel plate screens
- Manual drum inclination
- Nylon brushes for screen cleaning
- Fixed rotation speed
- Manually regulated conveyor for discharge of large impurities

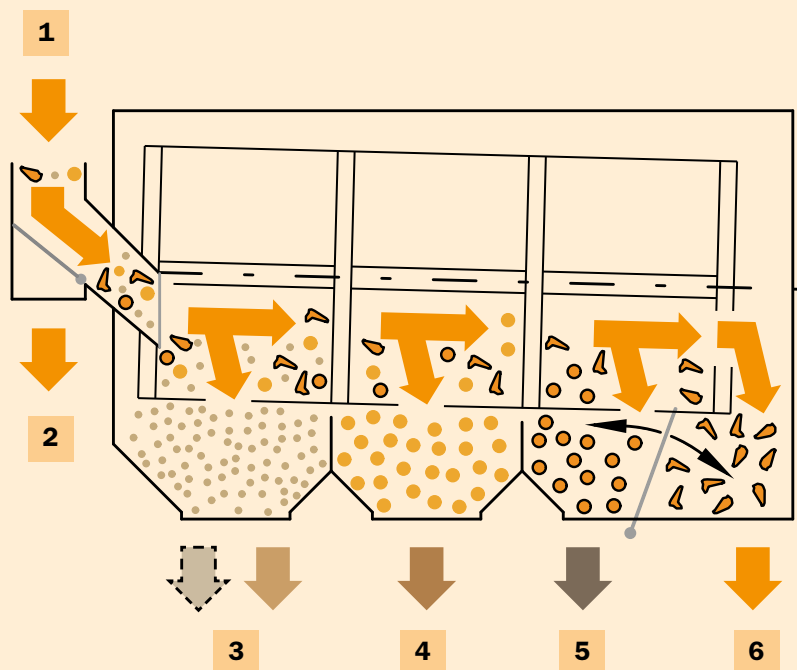


01, 02, 03 - Installation examples

FUNCTION

The product enters by gravity into a cylindrical rotating drum with changeable perforated screens. The good product passes through pre-set holes, while the rough impurities come out at the end of drum.

The choice of screen perforation size depends on the product, the moisture content and the type of reject to separate.



- 1) Product with impurities inlet
- 2) Product outlet (By-Pass)
- 3) Precleaned product outlet (optional thin impurities)
- 4) Clean product outlet
- 5) Clean product outlet
- 6) Heavy rejects outlet

MODEL	PPR 2/6	PPR 3/6	PPR 4/6	PPR 1/9	PPR 3/9	PPR 4/9	PPR 3/12	PPR 4/12	PPR 5/12	PPR 3/16	PPR 4/16	PPR 5/16
Output - t/h**	20	30	40	50	75	100	140	180	230	225	300	375
Screen area - m ²	2,5	3,75	5	3,5	7,5	10	10,5	13,5	16,75	13,5	18	22,5
N° of screens	2	3	4	1	3	4	3	4	5	3	4	5
Power - kW	0,75	1,1	1,1	1,1	2,2	3	3	4	5,5	4	5,5	7,5
Length - mm*	2192	2845	3492	2285	3810	4634	4290	5185	6115	4435	5340	6255
Width - mm*	800	800	800	1100	1100	1100	1400	1400	1400	2018	2018	2018
Height - mm*	1345	1345	1345	1255	1800	1800	2216	2216	2221	2441	2441	2441
Weight empty - kg	310	450	550	540	800	920	1280	1540	1750	1700	2675	3000
Volume - m ³	2,3	3	3,7	3,15	7,5	9,2	13,3	16,1	19	22	26,5	31

* Overall dimensions

** Pre-cleaning output with wheat, specific weight 0,78 t/m³ – 14% RH – impurities 2%

OPTIONAL

- Variable drum rotation speed
- Wooden rollers for screen cleaning
- Motorised drum inclination
- Wearproof polyethylene sheet

- Motorised conveyor
- Control console



DRUM CLEANER PRA

ROTARY CLEANER WITH ASPIRATION

This machine removes light dust particles as well as separating by the rotating drum good quality grain from splits and trash. The rotary drum cleaner with aspiration is essential for cleaning cereals that have to be stocked for a long time (avoiding overheating which can be caused by chaff, husks, split grains etc). The final product will be healthier and have a pleasant aspect.



a) Aspiration
b) Rotary drum

CONSTRUCTION

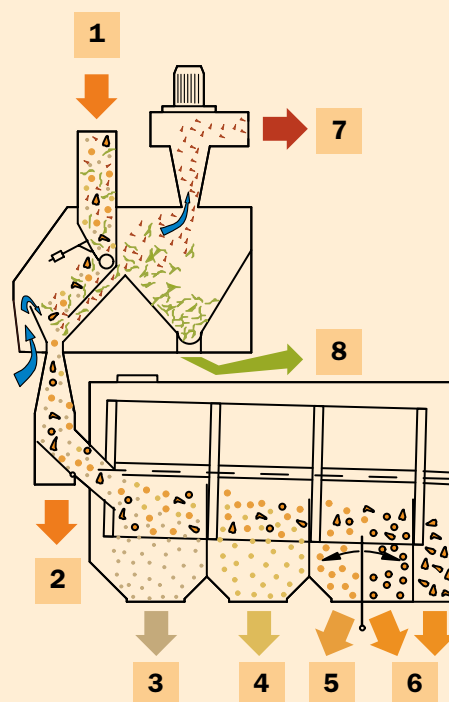
- Aspiration cowl with pressed galvanised panels
- Product inlet hopper
- Aspiration intake with vertical or horizontal positioning
- Airflow dampers
- Rotary drum connecting hopper
- Cowling and drum support uprights in pressed galvanised sheet
- Mobile lateral doors fitted with handle and lock
- Perforated carbon steel plate screens
- Manual drum inclination
- Nylon brushes for screen cleaning
- Fixed rotation speed
- Manually regulated conveyor for discharge of large impurities

01, 02, 03 - Installation examples



FUNCTION

The product enters by gravity into a motorised roller distributor and is evenly distributed over its whole width; the subsequent curtain descent of cereal encounters across airflow, which carries away light impurities (decanted by a cyclone or filter) and deposits a part of the heavier particles in a decanting hopper, equipped with a screw for reject expulsion. The dust-free grain enters a cylindrical rotating drum with interchangeable perforated screens. The first screen removes light impurities (sand, splits etc.), while the following screens allow the good grain to pass through pre-sized holes and the large impurities come out at the end of drum. The choice of screen perforation size depends upon the cereal and the type of reject to separate out.



- 1) Product with impurities inlet
- 2) Product outlet (By-Pass)
- 3) Light rejects outlet

- 4) Clean product outlet
- 5) Clean product outlet
- 6) Heavy rejects outlet

- 7) Dust outlet
- 8) Small impurities outlet

MODEL	PRA 3/6	PRA 4/6	PRA 3/9	PRA 4/9	PRA 3/12	PRA 4/12	PRA 5/12	PRA 3/16	PRA 4/16	PRA 5/16
Output - t/h**	20	30	50	70	80	125	170	140	180	290
Screen area m ²	3,75	5	7,5	10	10,5	13,5	16,75	13,5	18	22,5
N° of screens	3	4	3	4	3	4	5	3	4	5
Drum motor power - kW	1,1	1,1	2,2	3	3	4	5,5	4	5,5	7,5
Aspiration power - kW	2,2	2,2	4	4	5,5	5,5	5,5	11	11	11
Motor decanting screw - kW	0,55	0,55	0,75	0,75	0,75	0,75	0,75	0,75	0,75	0,75
Length - mm*	2935	3590	3930	4780	4370	5280	6175	4480	5390	6300
Width - mm*	1256	1256	1610	1610	2110	2100	2100	2620	2620	2620
Height - mm*	3170	3170	3850	3850	4600	4600	4600	5400	5400	5400
Weight empty - kg	800	900	1250	1350	1000	2150	2350	2900	3400	3900
Volume - m ³	11,7	14,3	24,4	29,6	42,4	51,0	59,7	58,7	70,7	82,6

* Overall dimensions

** Cleaning output with wheat, specific weight 0,78 t/m³ – 14% RH – Impurities 2%

OPTIONAL

- Variable drum rotation speed
- Wooden rollers for screen cleaning
- Motorised drum inclination
- Wearproof polyethylene sheet

- Motorised conveyor
- Control panel



CR

GRADER WITH OR WITHOUT ASPIRATION

The ROTARY GRADER separates grains according to their size. The output depends on the diameter of drum and the number of screens. The grading precision depends on the rotary drum speed and inclination.



CONSTRUCTION

- Cowling and drum support uprights in pressed galvanized sheet
- Mobile lateral doors fitted with handle and lock
- Perforated carbon steel plate screens
- Manual drum inclination in graduated scale
- Wooden rollers for screen cleaning
- Variable speed of rotation

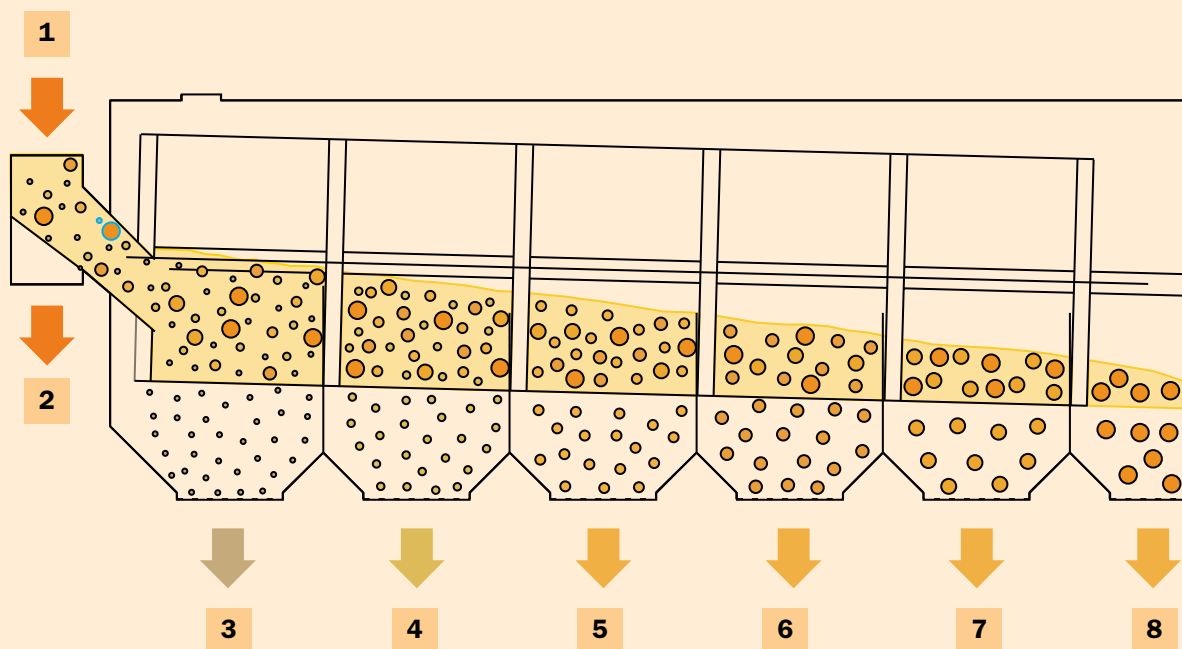


- 01 - Application with aspiration and cyclone
02 - Application with aspiration and paddle conveyors

FUNCTION

The product enters by gravity into a cylindrical rotating drum with interchangeable perforated screens. The product passes through several sectors of screens with pre-sized holes.

The drum is inclined in relation to the slope angle of the product, which falls onto appropriate separate hoppers. The choice of screen perforation size depends upon the dimension of product to be graded.



1) Product to grade inlet
2) Product outlet (By-Pass)
3) 1st grading product outlet

4) 2nd grading product outlet
5) 3rd grading product outlet
6) 4th grading product outlet

7) 5th grading product outlet
8) 6th grading product outlet

MODEL	CR 3/6	CR 4/6	CR 3/9	CR 4/9	CR 5/9	CR 3/12	CR 4/12	CR 5/12
Output - t/h**	1,5	2,0	5,5	8,0	10,0	20,0	30,0	45,0
Screen area m ²	3,75	5,0	7,50	10,0	12,50	10,50	13,50	16,75
N° of screens	3	4	3	4	5	3	4	5
Drum motor power. - kW	1,1	1,1	2,2	2,2	3,0	3,0	4,0	5,5
Length - mm*	2885	3500	3980	4830	5680	4471	5379	6287
Width - mm*	800	800	1100	1100	1100	1400	1400	1400
Height - mm*	1345	1435	1800	1800	1800	2216	2216	2216
Weight empty - kg	420	536	625	833	1041	1200	1450	1700
Weight full - kg	450	590	690	915	1140	1330	1595	1875
Volume - m ³	3,1	3,8	7,9	9,6	11,2	13,9	16,7	19,5

* Overall dimensions

** Grading output with barley, specific weight 0,60 t/m³ - 16% RH - Impurities 2% (2 grades – over 2.5 mm)

OPTIONAL

- Motorised drum inclination
- Window for product flow control
- Variable speed with inverter
- Telecamera for product flow control

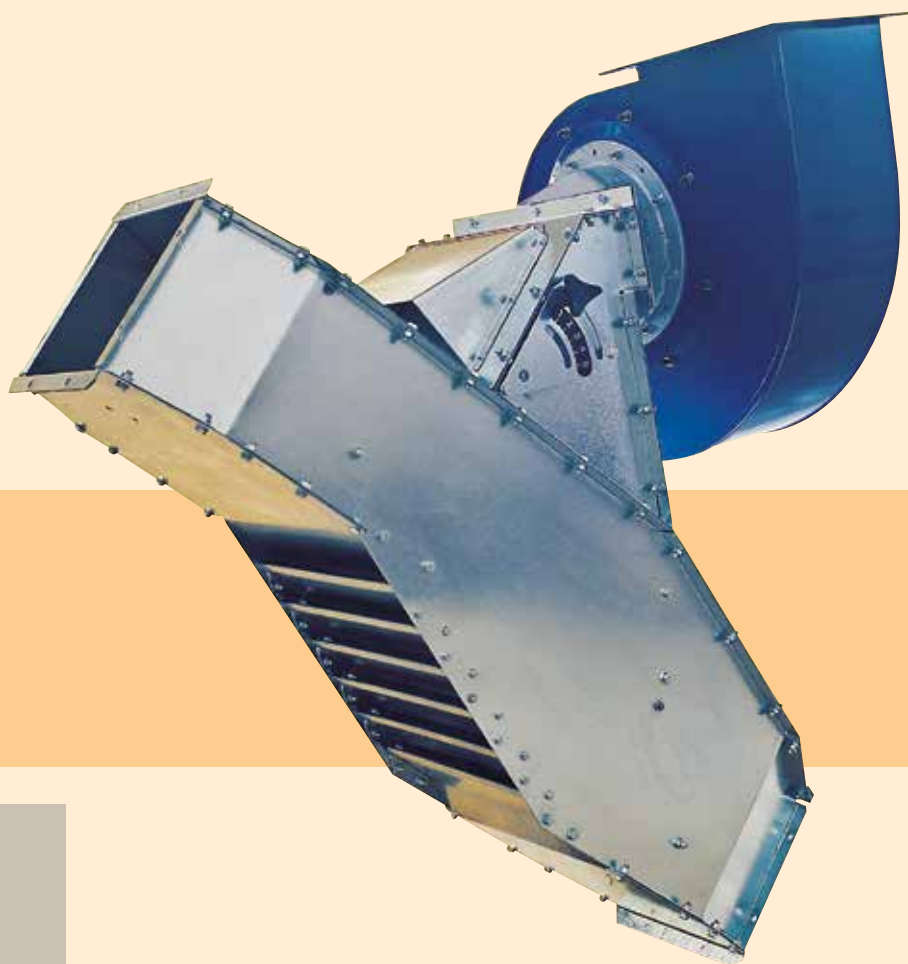
- Control console



PA-I

INCLINED ASPIRATION UNIT

This aspirator is designed to remove light impurities from the grain. It can be installed wherever it is most useful and is essential for cleaning cereals. The machine can be installed quickly and easily.



CONSTRUCTION

- Aspiration cowling with pressed galvanized panels
- Aspiration intake
- Airflow dampers

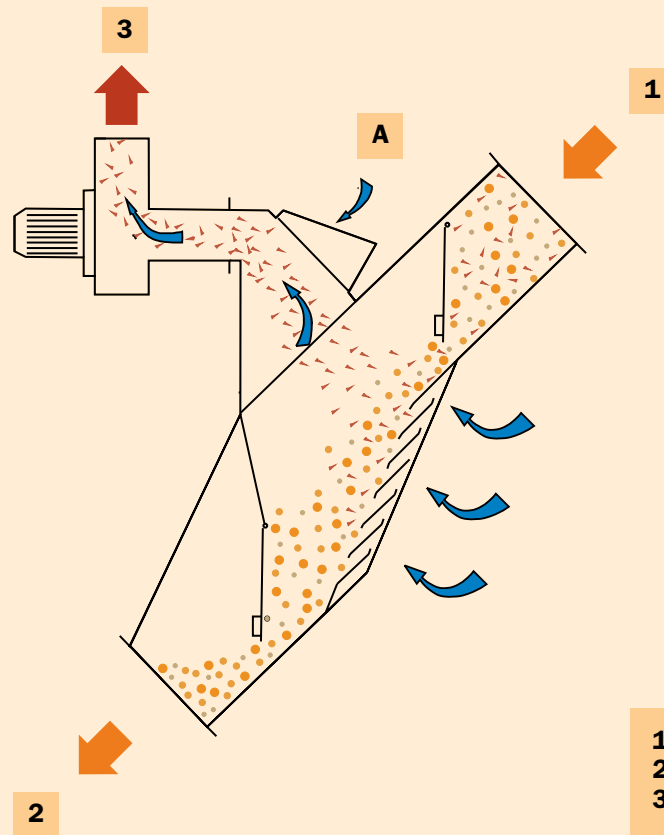


- 01 - Application on elevator
02 - Application on silo entrance

FUNCTION

The grain enters by gravity and is evenly distributed over the whole width. The grain descending as a curtain encounters a cross airflow, which takes up the lighter

parts, which are then decanted in a cyclone or filter. Airflow is regulated by the “false air” A.



- 1) Grain with impurities inlet
- 2) Clean product outlet
- 3) Grain with fine impurities - dust outlet

MODEL	PA 20 I	PA 40 I	PA 60 I	PA 80 I	PA 120 I
Output - t/h**	30	50	80	100	120
Aspiration motor power - kW	0,75	1,5	3	4	5,5
Length - mm*	930	1400	1442	1750	2410
Width - mm*	505	694	817	917	1260
Height - mm*	1270	1400	1400	1520	1994
Weight empty - kg	65	150	215	280	500
Volume - m ³	1,0	1,4	1,6	2,4	6,1

* Overall dimensions

** Cleaning output with wheat, specific weight 0,78 t/m³ – 14% RH – Impurities 2%

OPTIONAL

- Inlet adapter bushing
- Outlet adapter bushing

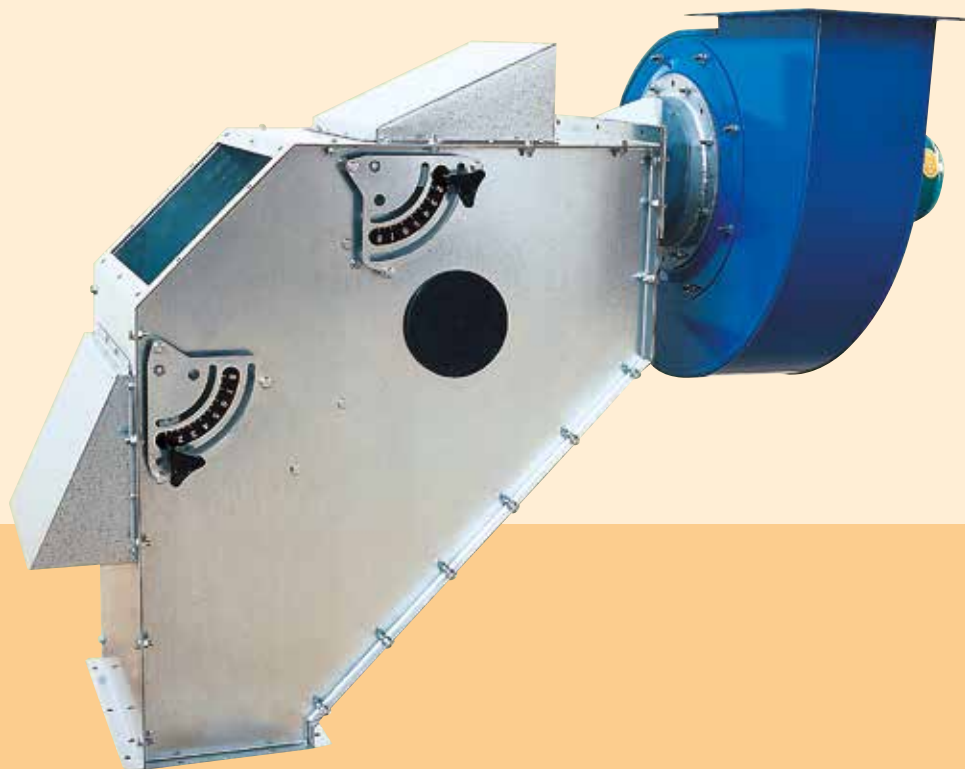
- Electrical flow regulation



PA-T

ASPIRATION PRE-CLEANER

This pre-cleaner with aspiration is designed to remove dust and light impurities from the grain. The machine is installed only for just cleaning the product of dust or light impurities and it's essential for cleaning cereals. This machine can be installed quickly and easily.



CONSTRUCTION

- Aspiration cowling with pressed galvanized panels
- Aspiration intake
- Airflow dampers



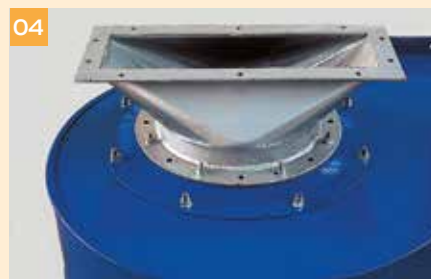
01



02



03



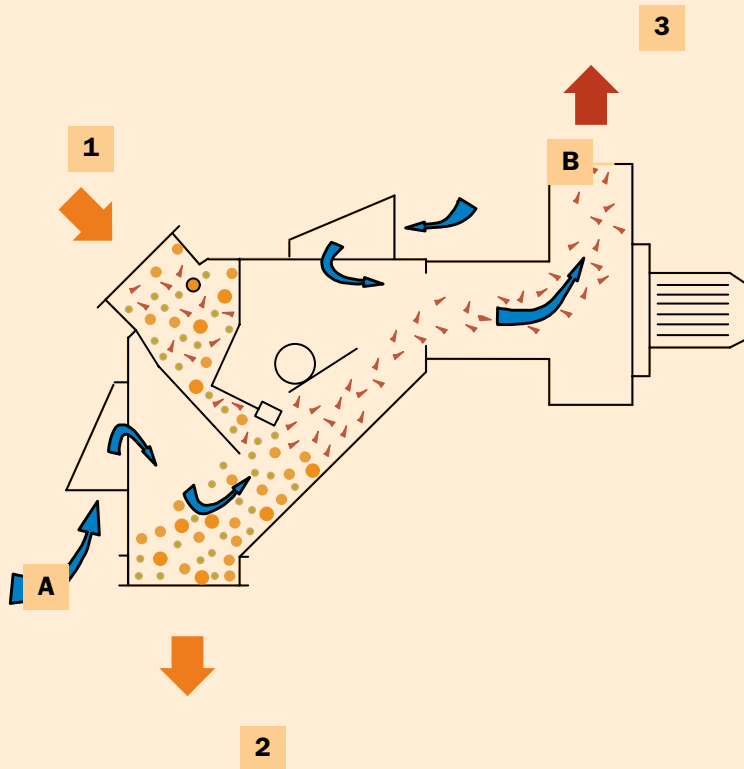
04

- 01 - Installation on by-pass outlet
- 02 - Installation on elevator
- 03 - Installation on screw
- 04 - Entry reduction cone

FUNCTION

The grain enters by gravity and is evenly distributed over the whole width. The grain descending as a curtain encounters a cross airflow, which takes up the lighter parts, which are then decanted by a cyclone or filter. The

airflow through the product is regulated by the valve A and the total airflow is adjusted by “false air” B.



- 1) Product with impurities inlet
- 2) Clean product outlet
- 3) Product with fine impurities - dust outlet

MODEL	PA 20 T	PA 40 T	PA 60 T
Output - t/h**	25	40	60
Aspiration motor power - kW	1,1	1,5	3
Length - mm*	1600	1670	1847
Width - mm*	550	600	697
Height - mm*	940	940	1017
Weight empty - kg	85	150	215
Volume - m ³	0,8	1,1	1,3

* Overall dimensions

** Cleaning output with wheat, specific weight 0,78 t/m³ – 14% RH – Impurities 2%

OPTIONAL

- Inlet adapter bushing
- Outlet adapter bushing



PA-TD

ASPIRATOR CLEANER WITH DECANter

The function of this aspiration cleaner with decanter is to remove light dust. The machine is installed on processing machines for cleaning product from dust or light impurities. It's possible setting up on the inlet opening, as optional, a magnetic separator to remove metallic parts. It's essential for cleaning cereals.



CONSTRUCTION

- Aspiration cowl with pressed galvanized steel panels
- Aspiration intake
- Airflow dampers



01



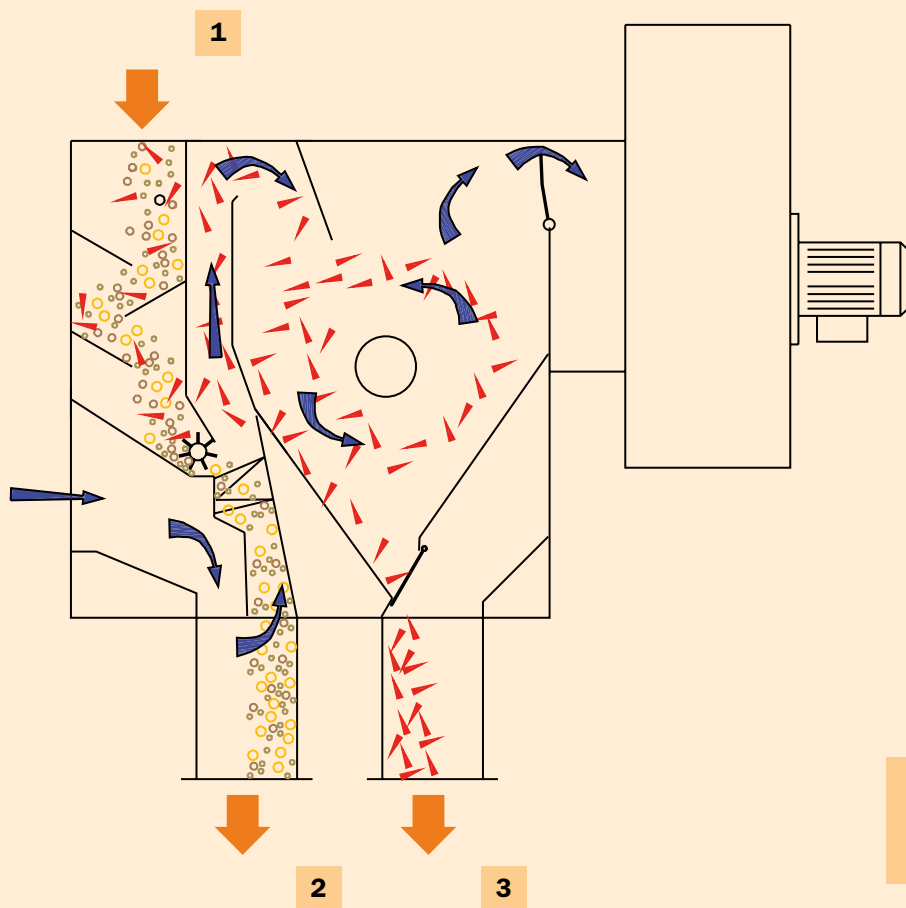
02

- 01 - Plant application
02 - Plant application

FUNCTION

The product enters by gravity into a motorised roller distributor and is evenly distributed over its whole width; the subsequent curtain descent of cereal encounters a cross airflow, which carries away light impurities (decanted

by a cyclone or filter) and deposits a part of the heavier particles in a decanting hopper, from that it will exit by gravity.



- 1) Product with impurities inlet
- 2) Clean product outlet
- 3) Product with fine impurities - dust outlet

MODEL	PA 40 TD	PA 60 TD
Output - t/h**	2	10
Aspiration motor power - kW	0,55	0,75
Auger motor power - kW	0,18	0,22
Length - mm*	1575	1670
Width - mm*	600	865
Height - mm*	1024	1270
Weight empty - kg	85	170
Volume - m ³	1,0	1,6

* Overall dimensions

** Cleaning output with wheat, specific weight 0,78 t/m³ – 14% RH – Impurities 2%

OPTIONAL

- Outlet hopper
- Support legs
- Magnetic separator



PA-D

ASPIRATOR CLEANER WITH DECANter

This machine with aspiration removes light particles and straw present in the product. The machine is installed after the dryer or in the receiving area for just cleaning the product of dust or light impurities. It's essential for cleaning cereals that have to be stored, avoiding overheating which can be caused by chaff, husks, split grains etc.



CONSTRUCTION

- Aspiration cowl with pressed galvanized panels
- Product inlet hopper
- Aspiration intake with vertical and horizontal positioning
- Airflow dampers

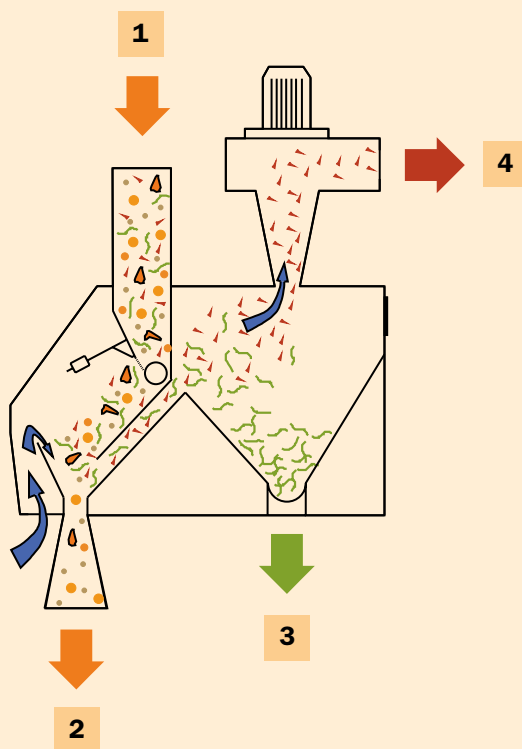


01, 02 - Installation detail

FUNCTION

The product enters by gravity into a motorised roller distributor and is evenly distributed over its whole width; the subsequent curtain descent of cereal encounters a cross airflow, which carries away light impurities and

deposits a part of the heavier particles in a decanting hopper, equipped with a screw for reject expulsion. The light impurities are decanted by a cyclone or filter.



- 1) Grain with impurities inlet
- 2) Clean product
- 3) Fine impurities
- 4) Dust

MODEL	PA 50 D	PA 100 D	PA 150 D	PA 200 D
Output - t/h**	30	70	130	180
Aspiration motor power - kW	2,2	4	5,5	11
Auger motor power - kW	0,55	0,75	0,75	0,75
Lenght - mm*	1680	1790	1790	1790
Width - mm*	1320	1640	2120	2610
Height - mm*	1750	1972	2241	2450
Weight empty - kg	340	430	570	860
Volume - m ³	3,7	6,0	7,5	12,2

* Overall dimensions

** Cleaning output with wheat, specific weight 0,78 t/m³ – 14% RH – Impurities 2%

OPTIONAL

- Outlet hopper



PA-DTR

DRUM CLEANER WITH DECANter

This machine with aspiration removes in a short time light and large particles and straw present in the product. The machine is installed before a dryer, in the receiving area or after drying.

It's essential for cleaning cereals that have to be stored, before prevents clogging in the dryer, after reduces dusts in the grain to be stored, avoiding overheating which can be caused by chaff, husks, split grains etc.



CONSTRUCTION

- Aspiration cowl with pressed galvanized panels
- Product inlet hopper
- Aspiration intake with vertical or horizontal positioning
- Airflow dampers

01 - Drum detail with product
02 - Installation detail

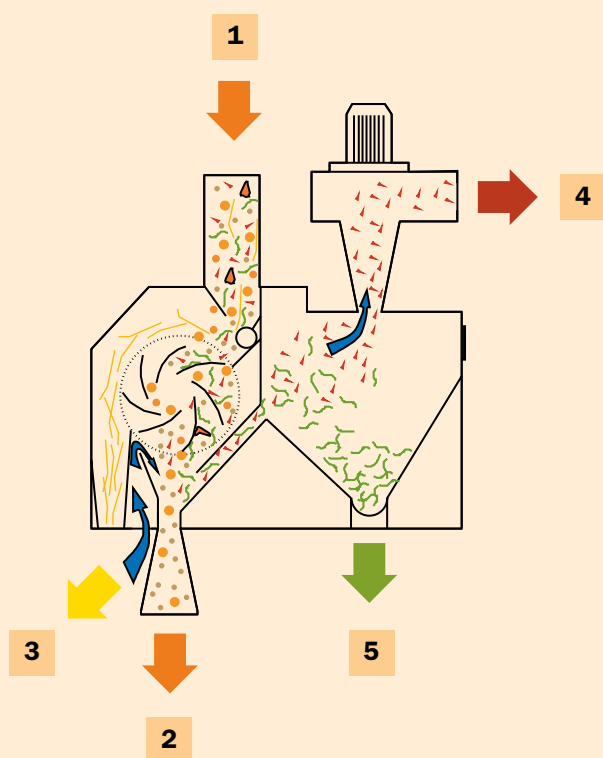


FUNCTION

The product enters by gravity into a motorised roller distributor and is evenly distributed over its whole width; the subsequent curtain descent of cereal passes through a rotary drum, in a fixed mesh. Large impurities (rapier – stones – etc.) remain outside of the drum and are rejected by a special hopper. Cereal encounters a cross airflow, which carries away light impurities and deposits

a part of the heavier particles in a decanting hopper, equipped with a screw for reject expulsion.

The light impurities are decanted by a cyclone or filter.



- 1) Product with impurities inlet
- 2) Clean product outlet
- 3) Large impurities outlet
- 4) Dust outlet
- 5) Fine impurities outlet

MODELLO	PA 100 DTR	PA 150 DTR	PA 200 DTR
Output - t/h**	50	100	150
Aspiration motor power - kW	4	5,5	11
Auger motor power - kW	0,75	1,1	1,5
Lenght - mm*	1650	1755	1755
Width - mm*	1610	2040	2500
Height - mm*	1972	2224	2500
Weight empty - kg	590	760	1100
Volume - m ³	5,2	7,7	11,0

* Overall dimensions

** Pre-cleaning output with wheat, specific weight 0,78 t/m³ – 14% RH – Impurities 2%

OPTIONAL

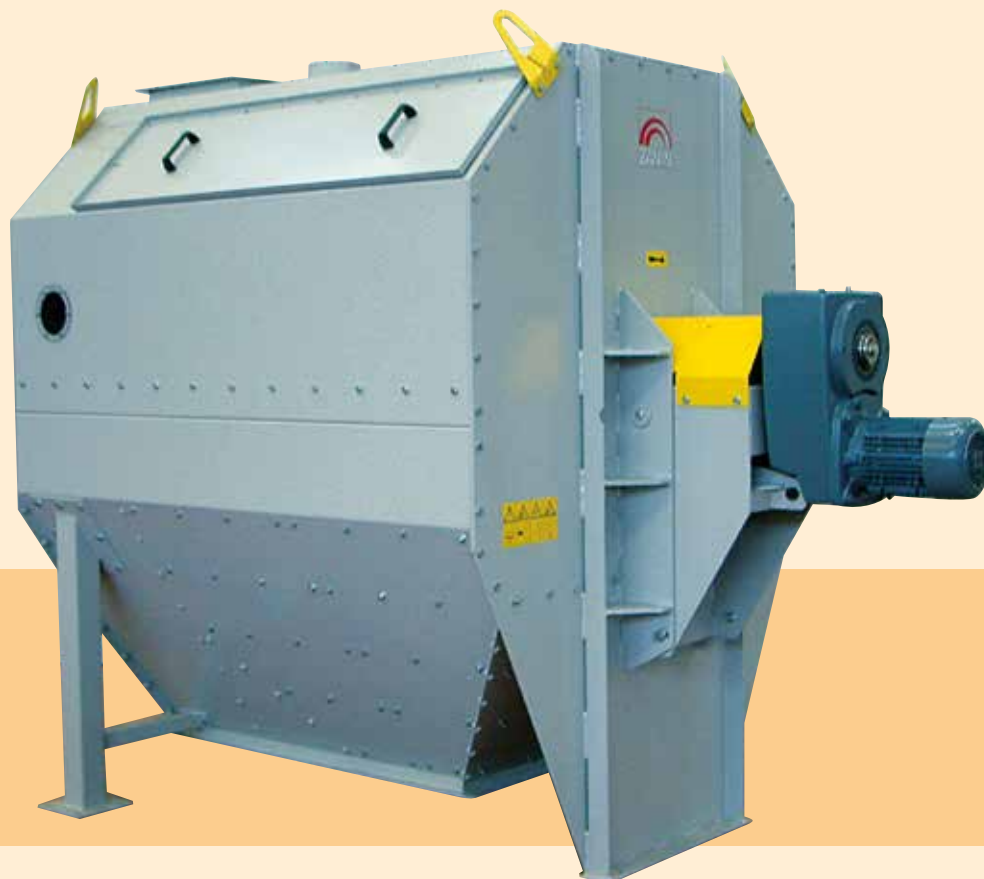
- Outlet hopper
- Servomotor for dampers opening/closing



TS

CLEANING MACHINE FOR ROUGH PRODUCT

This cleaner removes in a short time the rough material present in cereals. The machine is used before a cleaning plant or in ports or railway stations.



CONSTRUCTION

- Cowling and drum support uprights in pressed galvanised thick sheet
- Mobile frontal door with nuts and bolts
- Painted carbon steel plate screens
- Nylon brushes for screen cleaning
- Extraction screw
- Aspiration intake

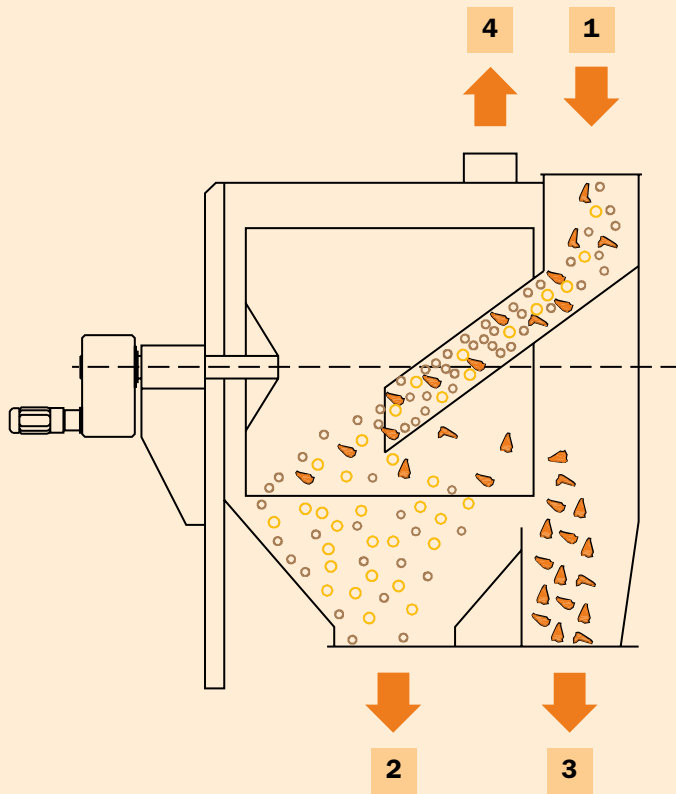


01, 02 - Drum detail

FUNCTION

The product enters by gravity into a cylindrical rotary drum into a fix screen. The good product pass through the screen and the big impurities go out on the end of drum.

The choice of screen has to be taken in consideration of product.



- 1** Product with impurities inlet
- 2** Good product outlet
- 3** Big impurities outlet
- 4** Dust outlet (aspiration intakes)

MODEL	TS 90	TS 120
Output - t/h**	100-200	200-300
Motor power - kW	2,2	3
Length - mm*	2680	2680
Width - mm*	1500	1500
Height - mm*	2150	2150
Weight empty - kg	950	1300
Volume - m ³	8,6	8,6

* Overall dimensions

** Cleaning output with wheat, specific weight 0,78 t/m³ – 14% RH – Impurities 2%

OPTIONAL

- Wooden rollers for screen cleaning
- Wearproof polyethylene sheet
- Anti deflagration door
- Electrical panel



COMBI SUITABLES FOR VEHICLES

The function of the Combi Cleaner is to remove in a short time fine and rough impurities present in the cereal. It can be installed on a trailer easily to transport (mobile version 40 km/h and version 10 km/h only for internal use) is used before product stocking or shipping.



CONSTRUCTION

- Cowling and drum support uprights in pressed galvanized sheet
- Mobile lateral doors fitted with handle and lock
- Perforated carbon steel plate screens
- Manual drum inclination
- Nylon brushes for screen cleaning
- Fixed rotation speed
- Extraction screw
- Suction intake



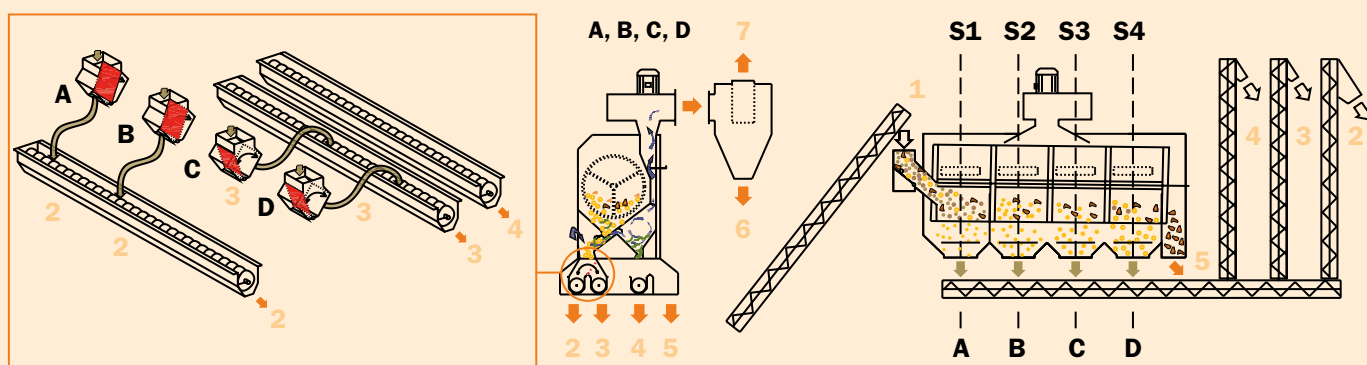
- 01 - Detail of cyclone
- 02 - Machine on work
- 03 - Inspection door
- 04 - Electrical panel
- 05 - Transport machine configuration

FUNCTION

The product with the impurities is loaded through a tubular screw and enters in the rotating drum. The first screens remove light waste, the following screens share the good product. At the end of the screens is eliminated the heavy waste. Depending on the type of product, more smooth or rough product, drum inclination can be changed for optimize the job of all screens. For each screen, an adjustment system allows to create an uniform distribution of the product, which is crossed from airflow and taking

away lighter dust from it. The clean product is conveyed to the screw n. 2, connected to the inclined tubular screw. It's possible sending the byproduct to screw n. 3, connected to vertical screw. Heavier dust decants and is conveyed to screw n. 4, connected to the vertical screw.

The airflow is directed to a cyclone to remove lighter dust. Heavy waste is sent to conveying screw n. 4 or outside by the special slide



A, B, C, D Good product

1 Product with impurities inlet

2 Good product outlet

3 Fine impurities – calibrated product outlet

4 Fine impurities outlet

5 Big impurities outlet

6 Dust outlet

7 Air outlet

MODEL	COMBI 4/6	COMBI 4/9
Pre-cleaning output - t/h **	30	60
Cleaning output - t/h ***	20	50
Grading output - t/h ****	2	8
Sieve area - m ²	5	10
N° screens	4	4
Drum motor power - kW	1,1	3
Screw motor power - kW	6,65	8,95
Ventilation power - kW	3	4
Length - mm	5150	6350
Width - mm	2310	2400
Height - mm	3270	3565
Weight empty - kg	1960	2360

** output with wheat, specific weight 0,78 t/m³ – RH 20% - 2% impurities
 *** cleaning output (1st fine sieve) with wheat, specific weight 0,78 t/m³
 RH 14% - 2% Impurities

**** output with barley, specific weight 0,6 t/m³ – RH 14%
 (2 products threshold 2,5 mm)

OPTIONAL

- Trailer
- Variable rotary drum speed

- Wooden rollers for screen cleaning
- Wearproof polyethylene sheet
- Electrical panel



SA

AIR SEPARATOR

The separator permits to separate good product from by-products and/or waste, confirm of different spec. weights.



CONSTRUCTION

- Cowling in pressed galvanized sheet
- Regulation airflow shutter
- Shutter for product selection
- Unloading hopper



- 01 - Airflow outlet
- 02 - Side view
- 03 - Airflow intake
- 04 - Unloading hoppers
- 05 - Unloading from hoppers

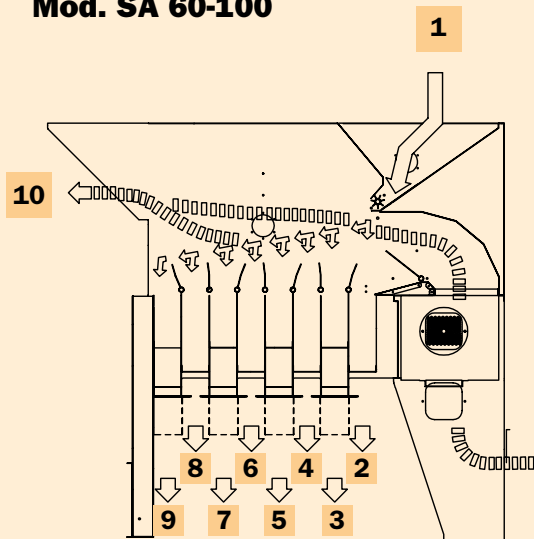


FUNCTION

The product enters by gravity in a rotating distributor and is distributed uniformly of the entire width. The product is invested by a transversal airflow, and fall more or less far-

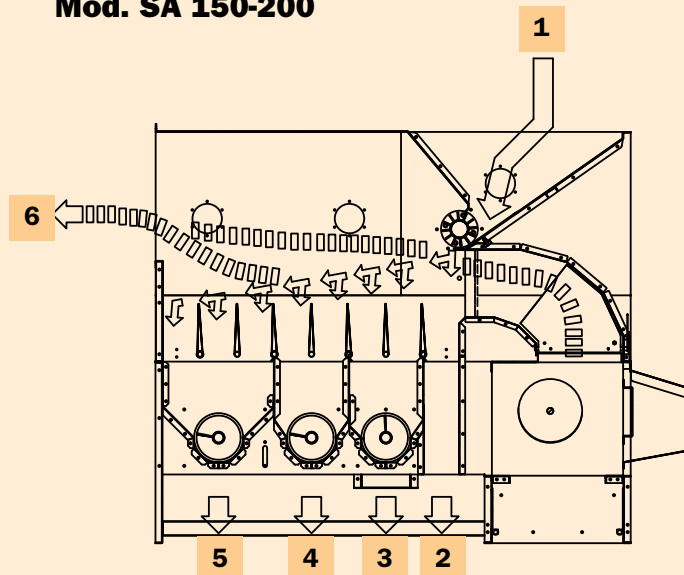
off in the unloading hoppers on the basis of spec. weight. The machine works free blowing.

Mod. SA 60-100



LIGHT ← → HEAVY

Mod. SA 150-200



LIGHT ← → HEAVY

Mod. SA 60-100

- | | |
|--|---------------------------------|
| 1 Product with impurities inlet | 6 V separation outlet |
| 2 I separation outlet | 7 VI separation outlet |
| 3 II separation outlet | 8 VII separation outlet |
| 4 III separation outlet | 9 VIII separation outlet |
| 5 IV separation outlet | 9 Dust exit |

Mod. SA 150-200

- | | |
|--|--------------------------------|
| 1 Product with impurities inlet | 4 III separation outlet |
| 2 I separation outlet | 5 IV separation outlet |
| 3 II separation outlet | 6 Dust exit |

MODEL	SA 60	SA 100	SA 150	SA 200
Output - t/h *	1,2	3	5	12
Roller motor power - kW	0,25	0,25	0,25	0,25
Fan power - kW	1,5	3	4	3x1,5
Length - mm	2837	2840	2340	2335
Width - mm	830	1230	2090	2580
Height - mm	2320	2320	2320	2320
Weight empty - kg	380	500	800	900

* output with wheat, specific weight 0,78 t/m³ - RH 14% - 2% Impurities.

OPTIONAL

- Moving wheels
- Electrical panel

- Inverter
- Collecting case



MOBILE COMBINED CLEANER

ROTARY CLEANER WITH ASPIRATION

Depending on your needs it's possible to realize machines obtained from combination of specific cleaner models, mounted on a trailer for handling or street transport.



CONSTRUCTION

- Painted steel trailer
- Cowling and drum support uprights in pressed galvanized sheet
- Mobile lateral doors fitted with handle and lock
- Perforated carbon steel plate screens
- Manual drum inclination
- Nylon brushes for screen cleaning
- Fixed rotation speed
- Control conveyor with manual adjustment for large impurities outlet
- Aspiration cowling with pressed galvanized steel panels
- Suction intake
- Airflow dampers

- 01 - Cyclone detail
02 - Control console detail



TYPE OF TRAILERS

The structures of trailers are based on the model of machine to be transported; the material used is hot galvanized steel or painted steel. Generally, the trailer is equipped with stabilizers.

Trailer for internal use



Trailer for internal use, complete with single wheels, manual screw stabilizers and rudder with eyelet.

Tubular steel construction hot galvanized or painted.

Street trailer approved for traffic circulation



Trailer approved for traffic circulation, complete with twin wheels, manual screw stabilizers, drum brakes and rudder on truck tow hook.

Tubular steel construction hot galvanized or painted.

Roll-off version (can be used also in a fix version).

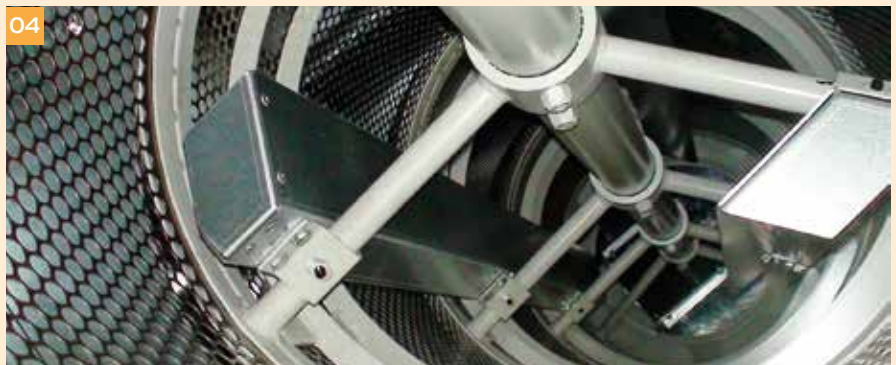


Tubular steel frame with manual screw stabilizers.

Tubular steel construction hot galvanized or painted.

CONSTRUCTION DETAILS

- 01 - Nylon brushes for screens cleaning
- 02 - Control levers
- 03 - Wooden rollers for screen cleaning
- 04 - Buckets
- 05 - Carbon steel plate screens

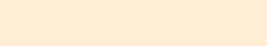
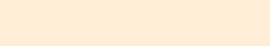
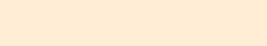
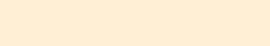
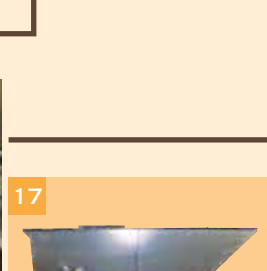
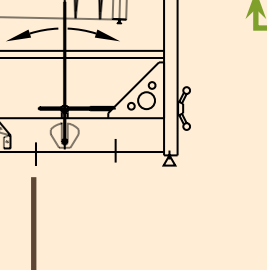
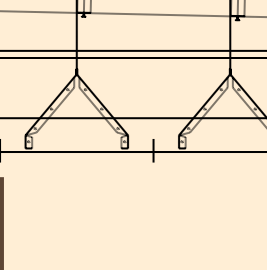
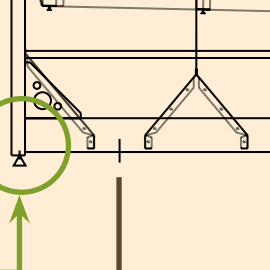
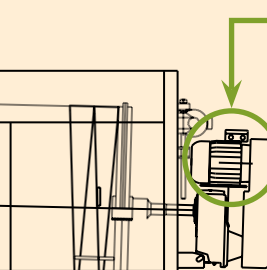
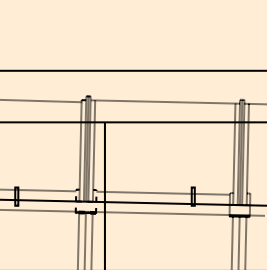
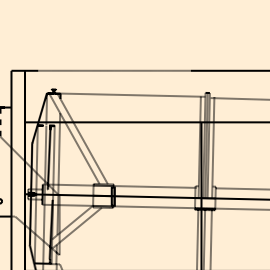
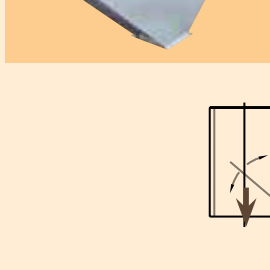
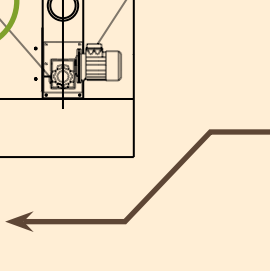
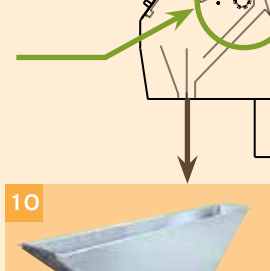
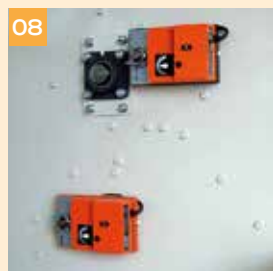
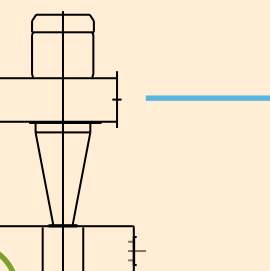
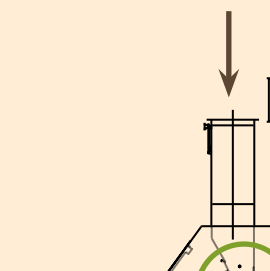


- 06 - Fan connection hopper
- 07 - Safety roops
- 08 - Airflow dampers
- 09 - Waste screw outlet PA D
- 10 - Drum inclination regulation
- 11 - Product inlet hopper
- 12 - Control conveyor with manual adjustment for large impurities outlet



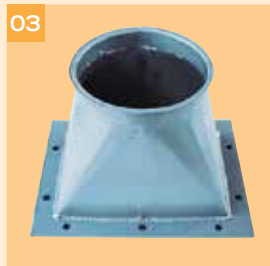
ACCESSORIES AND OPTIONALS

↓ PRODUCT INLET

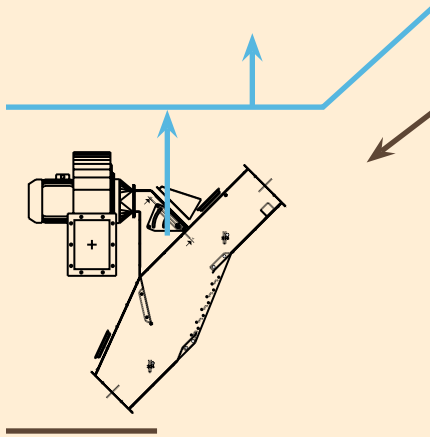




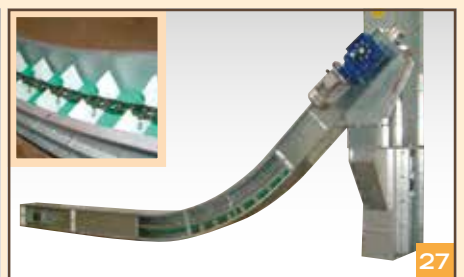
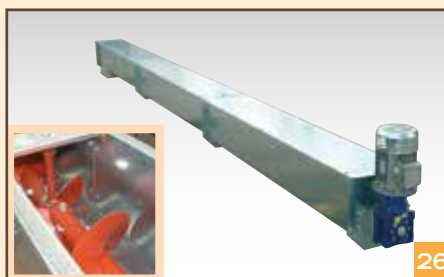
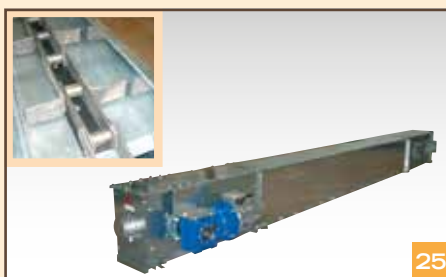
→ AIR OUTLET



← PRODUCT INLET



- 01 - Brake
- 02 - Iron bend
- 03 - Reduction cone
- 04 - 45° self braking joint
- 05 - 2 ways valve
- 06 - Magnetic separator
- 07 - Aspiration connections
- 08 - Servo motor for opening/closing shutter
- 09 - Sampler
- 10 - Hopper
- 11 - Charging inlet with electrical by-pass
- 12 - Adjusted legs
- 13 - Platforms and ladders
- 14 - Discharge hoppers
- 15 - Bag spout
- 16 - Discharge shutter with closing
- 17 - Discharge hoppers with by-pass
- 18 - Self-cleaning filter
- 19 - Cyclones
- 20 - Motovariator
- 21 - Inverter
- 22 - Motorised drum inclination
- 23 - Control console
- 24 - Touch screen controller: it indicates the screen to install and adjust automatically air shutters inclination and position
- 25 - Chain conveyor
- 26 - Auger
- 27 - Blade conveyor
- 28 - Pneumatic conveyor
- 29 - Belt conveyor



→ GOOD PRODUCT OUTLET





SIZE OF PROCESSED CEREALS



LIST WITH SEEDS TO CLEAN

- | | | |
|----------------|--------------|-------------|
| - BARLEY | - CORN | - PEAS |
| - BEANS | - COURGETTES | - RADISH |
| - BEET | - FIELD BEAN | - RAPE |
| - BROAD BEAN | - HEMP | - RICE |
| - BUCKWHEAT | - LENTILS | - RYE |
| - CABBAGE | - LINSEED | - RYEGRASS |
| - CANARY GRASS | - LUPIN | - SESAME |
| - CARROTS | - MUSTARD | - SOJA |
| - CHICK | - MUSTARD | - SORGHUM |
| - CLOVER | - OAT | - SUNFLOWER |
| - COCOA | - ONION | - VETCH |
| - COFFEE | - PANIC | - WHEAT |

PERSONALIZED PLANTS



SCREENS CHOICE DEPENDING ON SEED

WHAT FORM HAS THE SEED
TO BE WORKED?

WHICH SIZE?

a

b

c

d

1

2

3

a Round

b Elleptical

c Stretched elliptical

d Indefinite form

1 Length

2 Width

3 Thickness

Type of seed

a

b

c

d

Size

1

2

3

Type of seed

a

b

c

d

Size

1

2

3

Type of seed

a

b

c

d

Size

1

2

3

Type of seed

a

b

c

d

Size

1

2

3

TYPE OF USED SCREEN

Wavy mesh

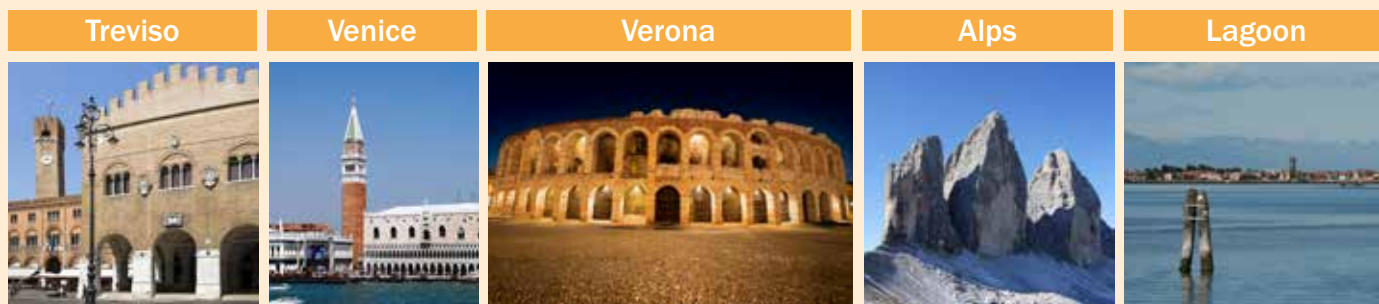
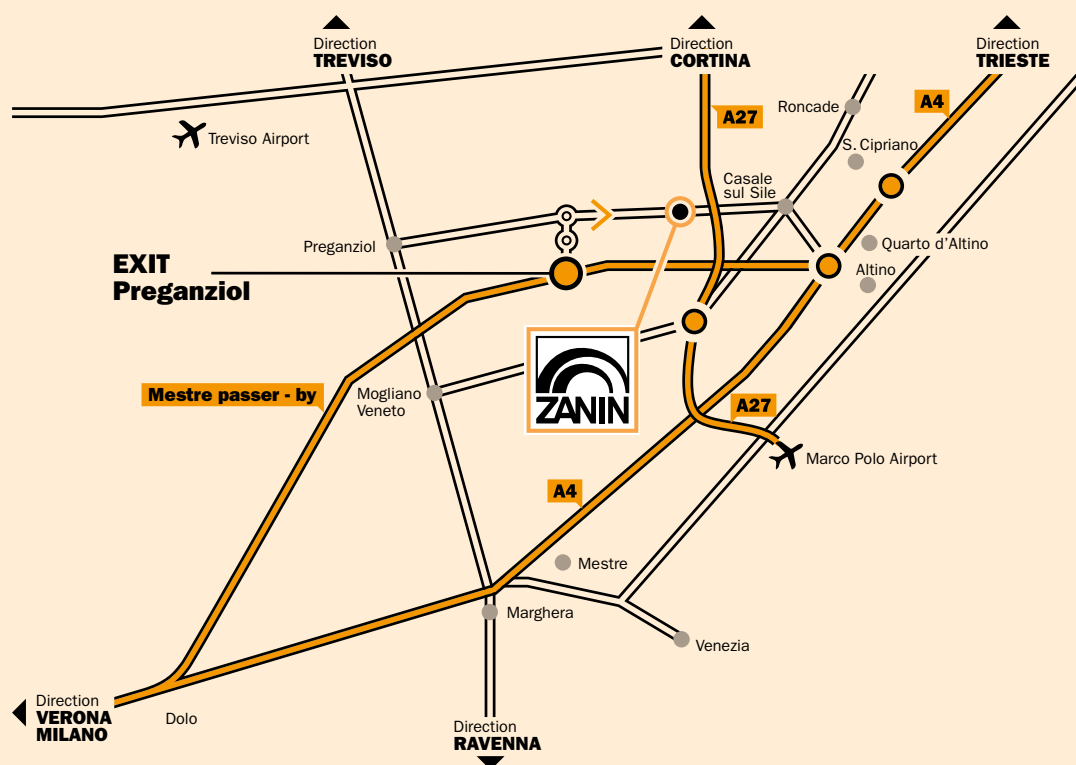
Round holes

Square holes

Slot holes

Triangular holes

Ashlar holes



Photos by Glauco Granatelli, Walter Coledan, Dicaprio Veronica, Didier Descouens, Maik-T. Šebenik



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