



ALLROUND
VEGETABLE PROCESSING



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ALLROUND VEGETABLE PROCESSING B.V.

- Family company over 65 years.
- Exports to over 80 countries.
- Two production facilities, Andijk, Holland and Ambala, India.
- Total 11000 m², over 120 employees.
- Approx. 1000 machines sold annually.
- Partnerships with optical grading and electronic sorter manufactures.
- Initiator of Dutch Distribution Centres(DDC). Visit: www.dutchdc.com.



PROVEN WORLDWIDE INNOVATION

ALLROUND PROCESSING SOLUTIONS FOR:

- SEED POTATOES
- TABLE POTATOES
- INDUSTRY POTATOES
- SWEET POTATOES
- CARROTS
- ONIONS
- SET ONIONS
- TURNIPS
- PARSNIPS
- CELERY
- CABBAGE
- BRUSSELS SPROUTS
- RED BEET
- FLOWER BULBS

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ALLROUND CUSTOM DESIGNED SOLUTIONS

Complete project design

Allround Vegetable Processing B.V. has a specialized department for making 3D drawings for any inquiry made. We strive to make you the first drawings in 2D and 3D within two days after receiving the inquiry.

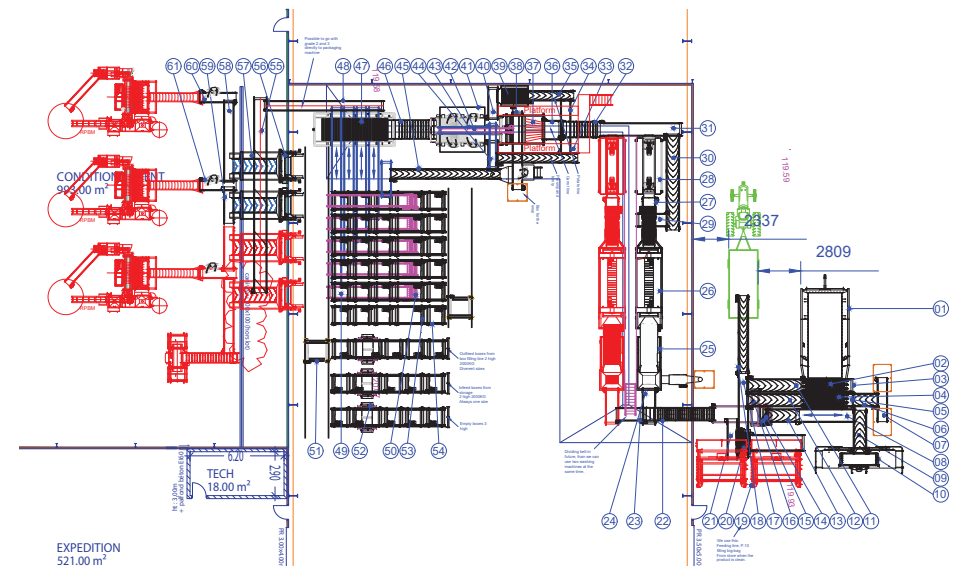
We distinguish three types of drawings to make:

- Complete layout with new building or in existing building with processing lines. With or without cold storage.
- Complete processing lines.
- Stand-alone machines.
- Machines compatible with existing standard infrastructure.
- All lines and machines compatible with all brands of weighing and packing machines as Newtec, Sorma, Manter/Volm, Upmann, etc.
- We can integrate all our machines with any optical grader as: Elisam, Maf Roda, Compac, etc.



In order to serve you as good as possible, we usually need the following information:

- Product: potatoes, onions, carrots, etc.
- Required capacity tons per hour
- New building/existing building
- Space available for line or machine
- Product receiving to the line: trucks/boxes
- Packaging type of finished product



All capacities are indications based on experience from the past and depend on the agro climatic, soil and logistic conditions of the product, Allround VP does not guarantee any of these.

POTATO LINES

ALLROUND POTATO LINES

Every company that handles potatoes has a different need when it comes to washing and grading. Allround offers solutions for all types of companies, ranging from seed potato grading installations to large industrial washing lines.

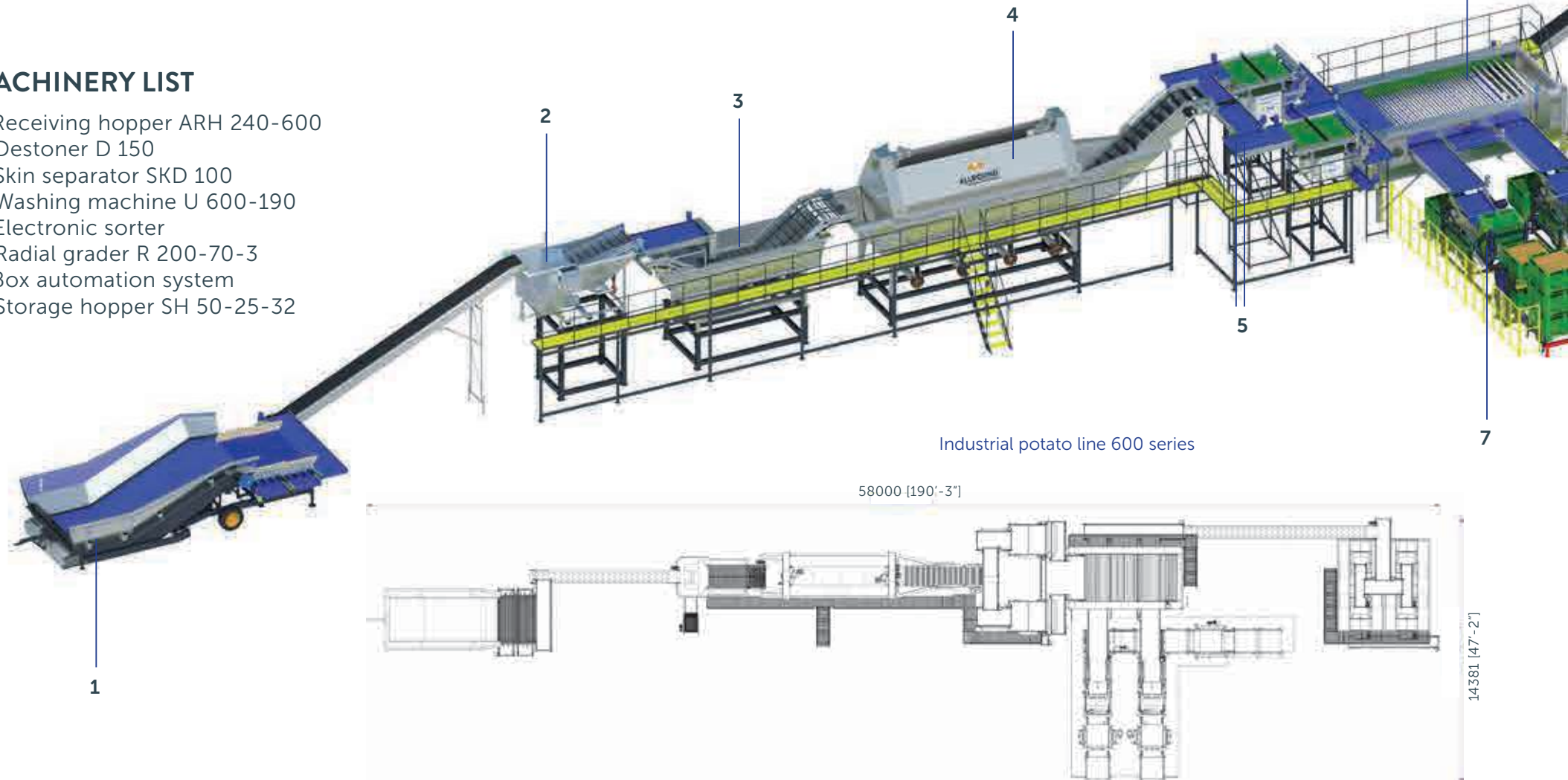
ESTIMATED CAPACITIES OF THE POTATO LINES HEAVY & LIGHT SOIL (TONS/HOUR)

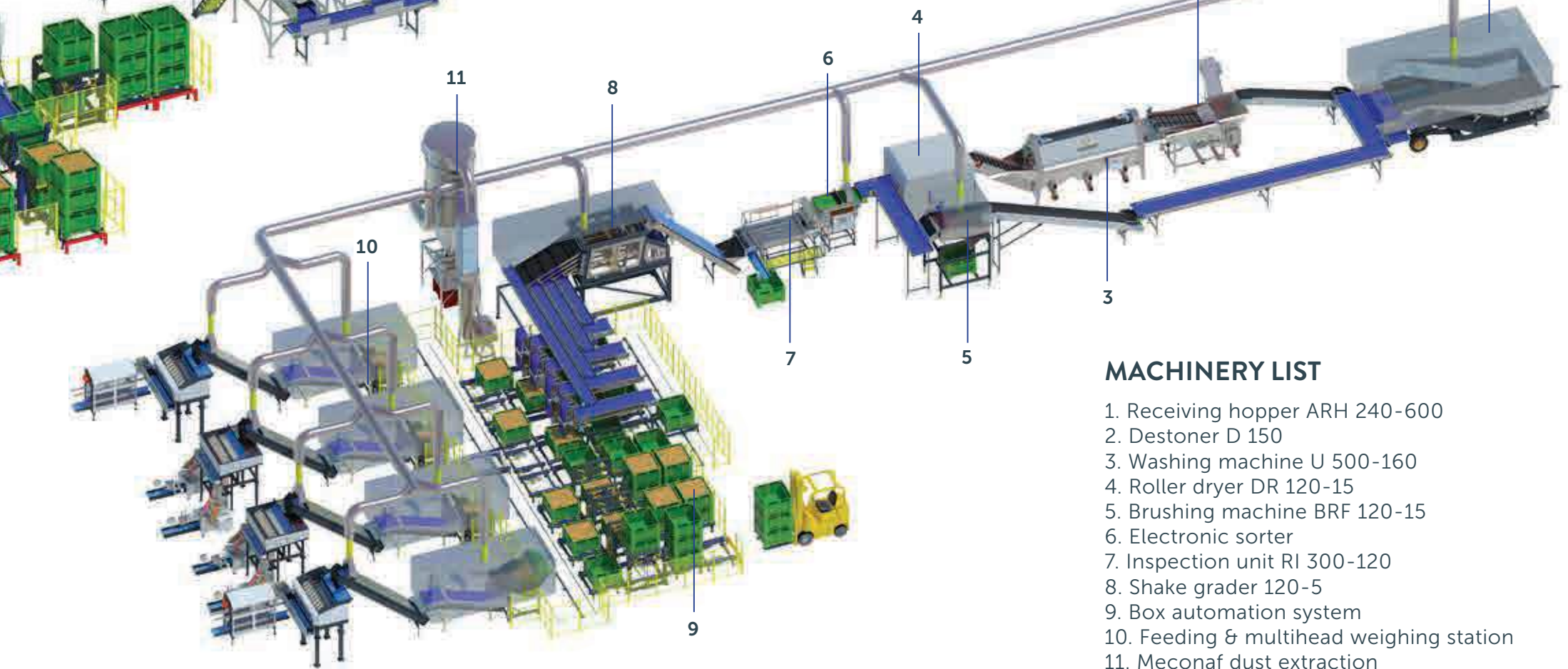
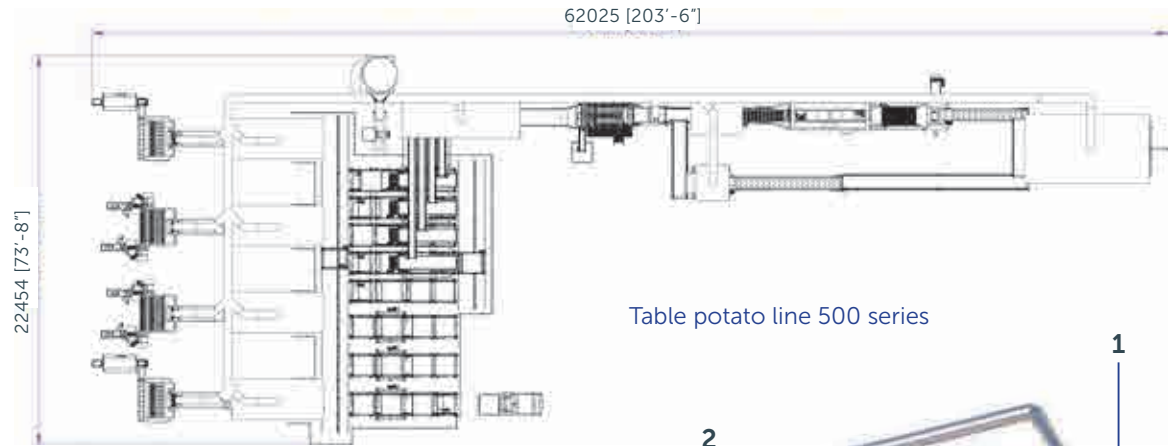
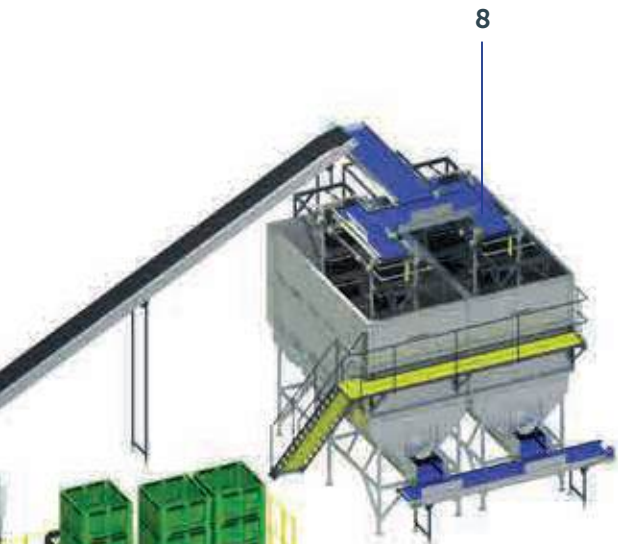
	170 SERIES	300 SERIES	450 SERIES	500 SERIES
Table Potatoes	2 - 3	6 - 8	15 - 20	25 - 35
Industrial potatoes	-	6 - 10	20 - 25	30 - 50

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MACHINERY LIST

1. Receiving hopper ARH 240-600
2. Destoner D 150
3. Skin separator SKD 100
4. Washing machine U 600-190
5. Electronic sorter
6. Radial grader R 200-70-3
7. Box automation system
8. Storage hopper SH 50-25-32



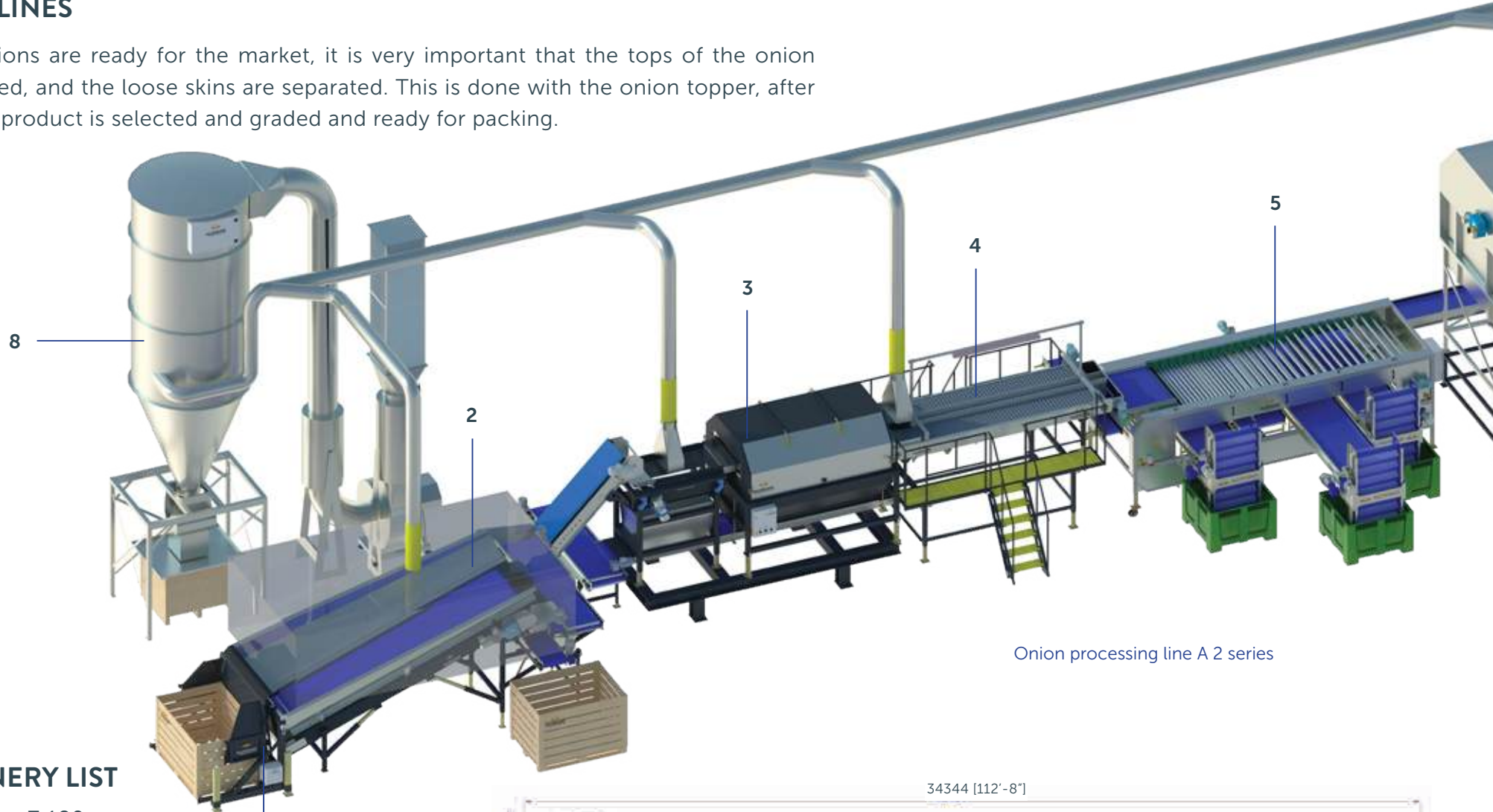


MACHINERY LIST

1. Receiving hopper ARH 240-600
2. Destoner D 150
3. Washing machine U 500-160
4. Roller dryer DR 120-15
5. Brushing machine BRF 120-15
6. Electronic sorter
7. Inspection unit RI 300-120
8. Shake grader 120-5
9. Box automation system
10. Feeding & multihead weighing station
11. Meconaf dust extraction

ONION LINES

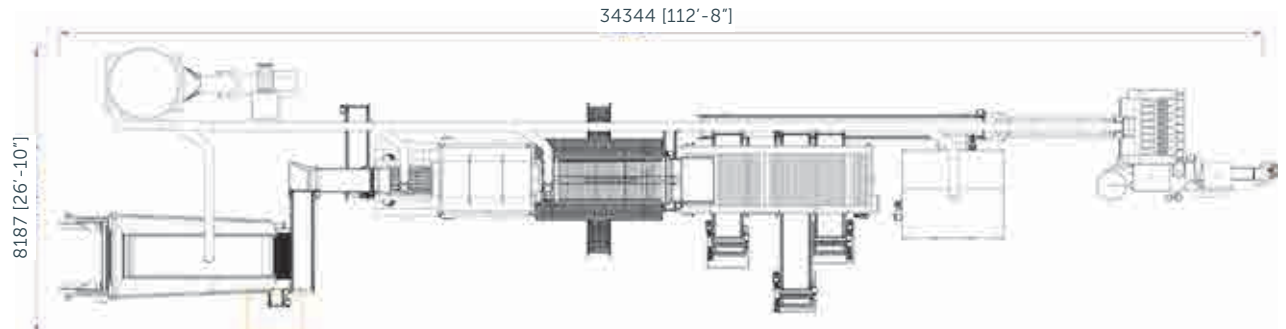
Before onions are ready for the market, it is very important that the tops of the onion are removed, and the loose skins are separated. This is done with the onion topper, after which the product is selected and graded and ready for packing.

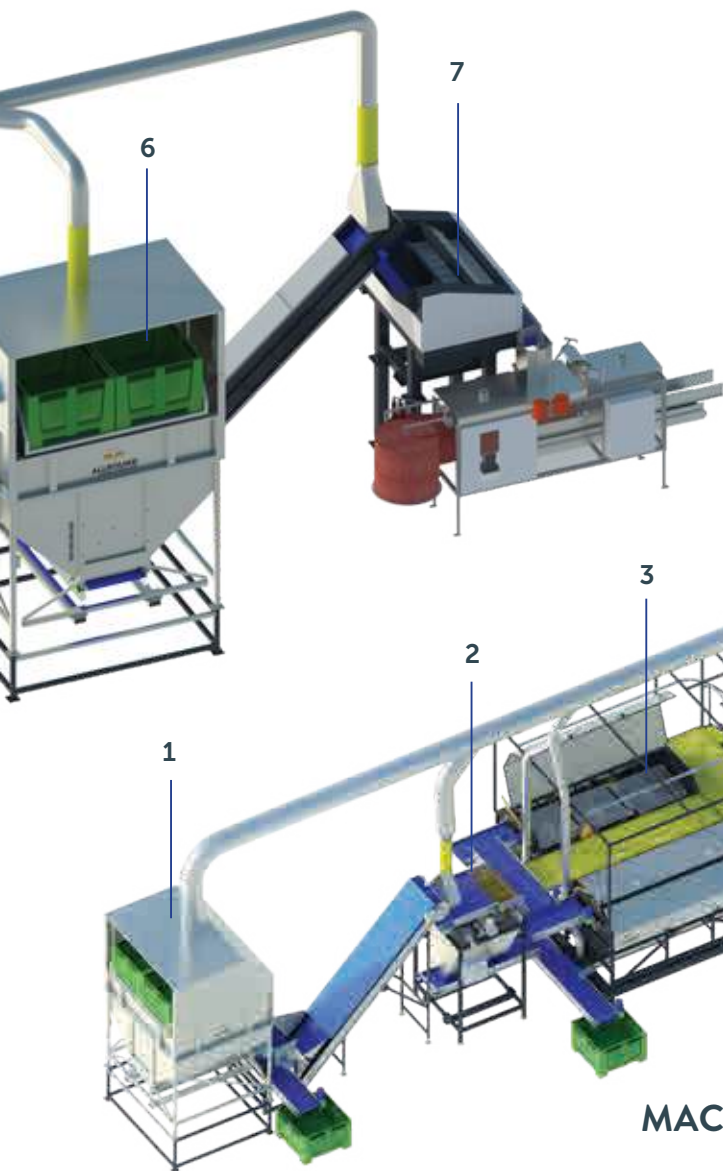


Onion processing line A 2 series

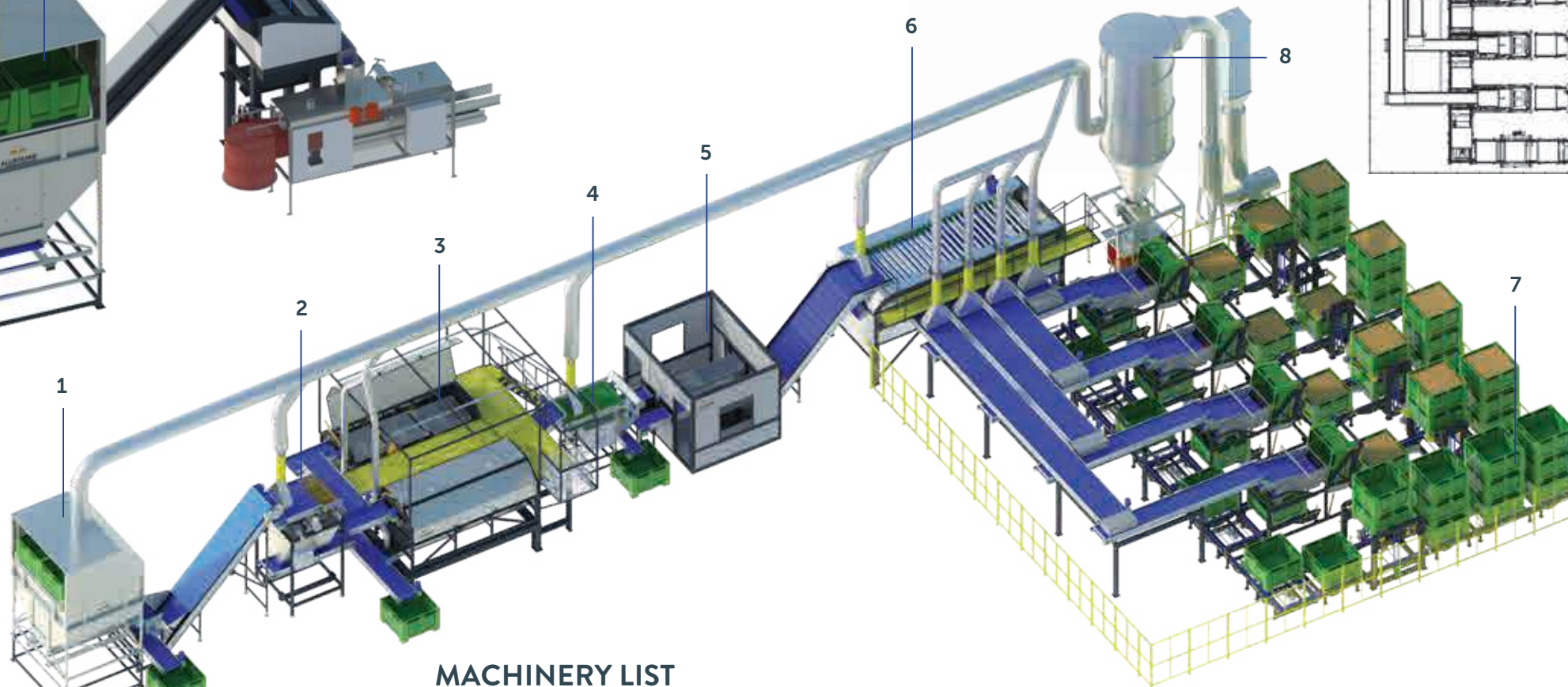
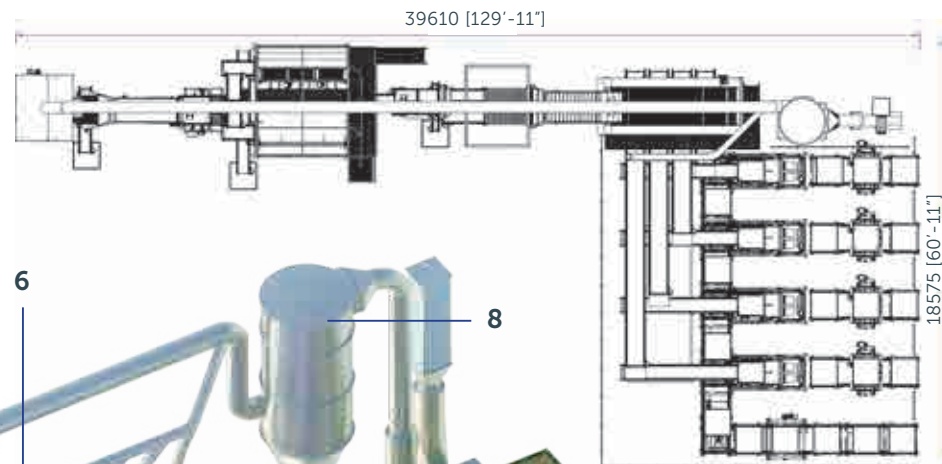
MACHINERY LIST

1. Box tipper Z 180
2. Hopper B 120-450
3. Onion topper A 2 + pre-grader
4. Roller inspection RI 120-400
5. Radial grader R 150-70-4
6. Storage hopper - box tipper SHB 180-3.5
7. Multihead weighing machine
8. Meconaf dust extraction





Onion processing line A 3 series



MACHINERY LIST

1. Storage hopper - box tipper SHB 180-3.5
2. String grader PS 70-17
3. Onion topper A 3
4. Electronic sorter
5. Inspection unit RI 300-60 with cabin
6. Radial grader R 170-70-4
7. Box automation system
8. Meconaf dust extraction

PRODUCT	A 1 LINE (T/H)	A 2 LINE (T/H)	A 3 LINE (T/H)
Onions	3 - 4	6 - 8	9 - 12
Set onions	2 - 3	4 - 6	6 - 9

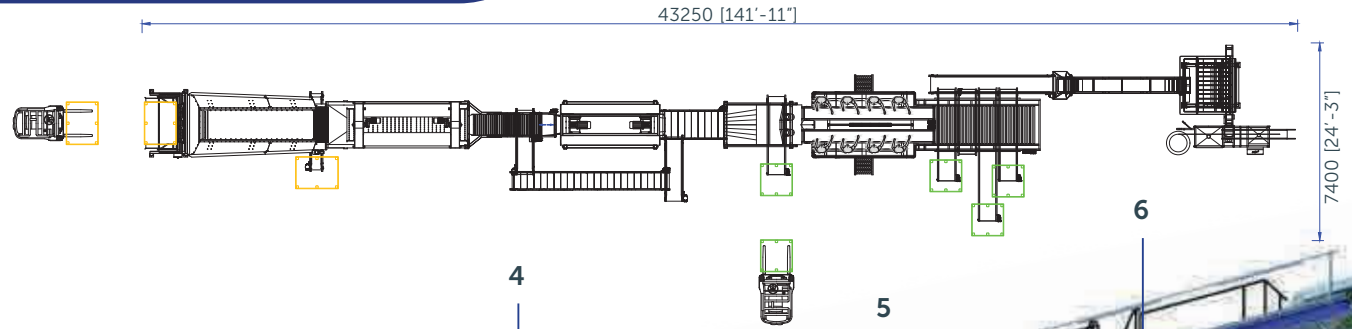
LARGER CAPACITIES CAN BE OFFERED ON DEMAND

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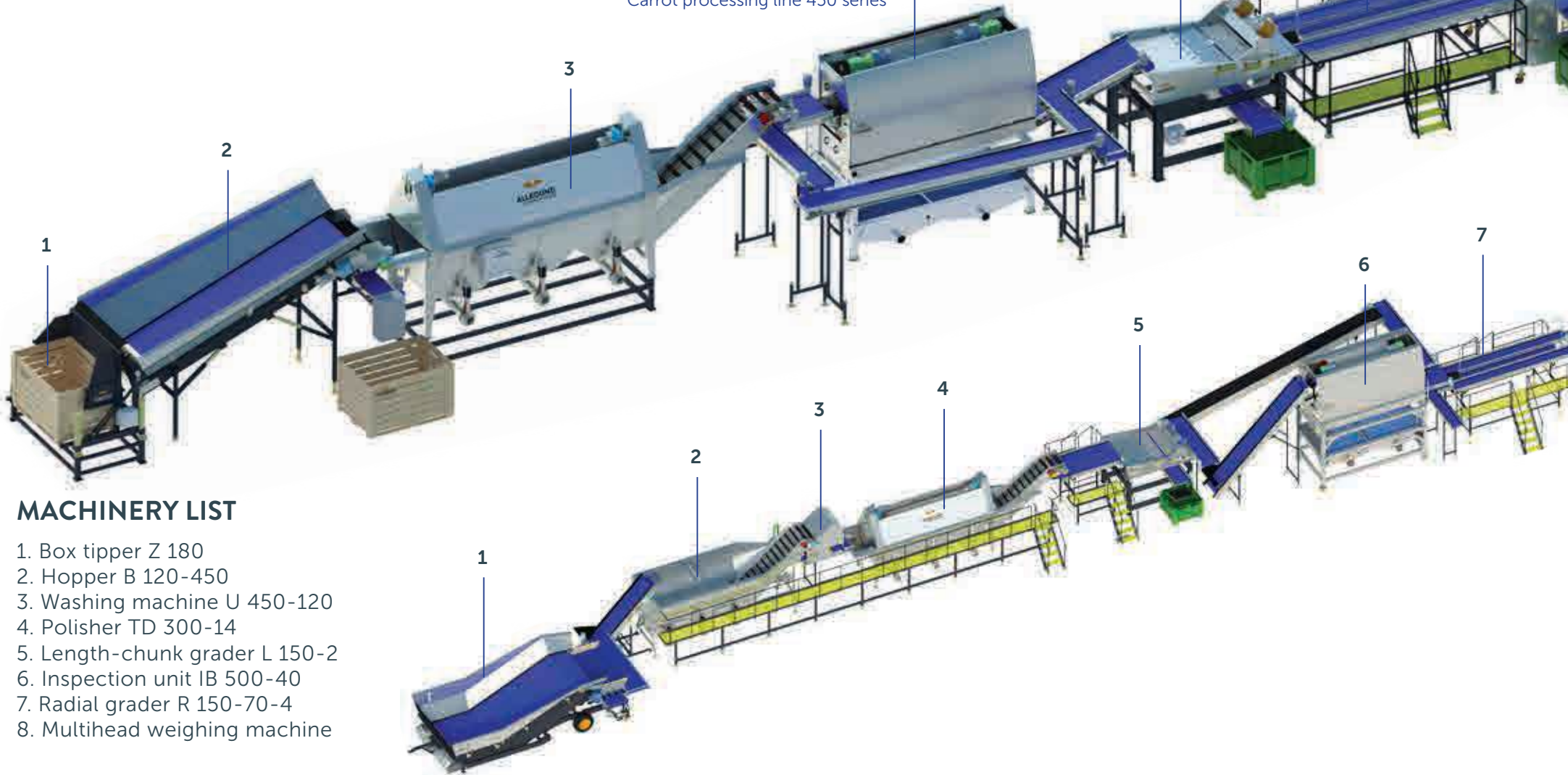
CARROT LINES

CARROT LINES

Carrots are grown in many different types of soil. Allround has different machine types, and the experience and knowledge of how to place the correct machine in your carrot line to fit your specific needs

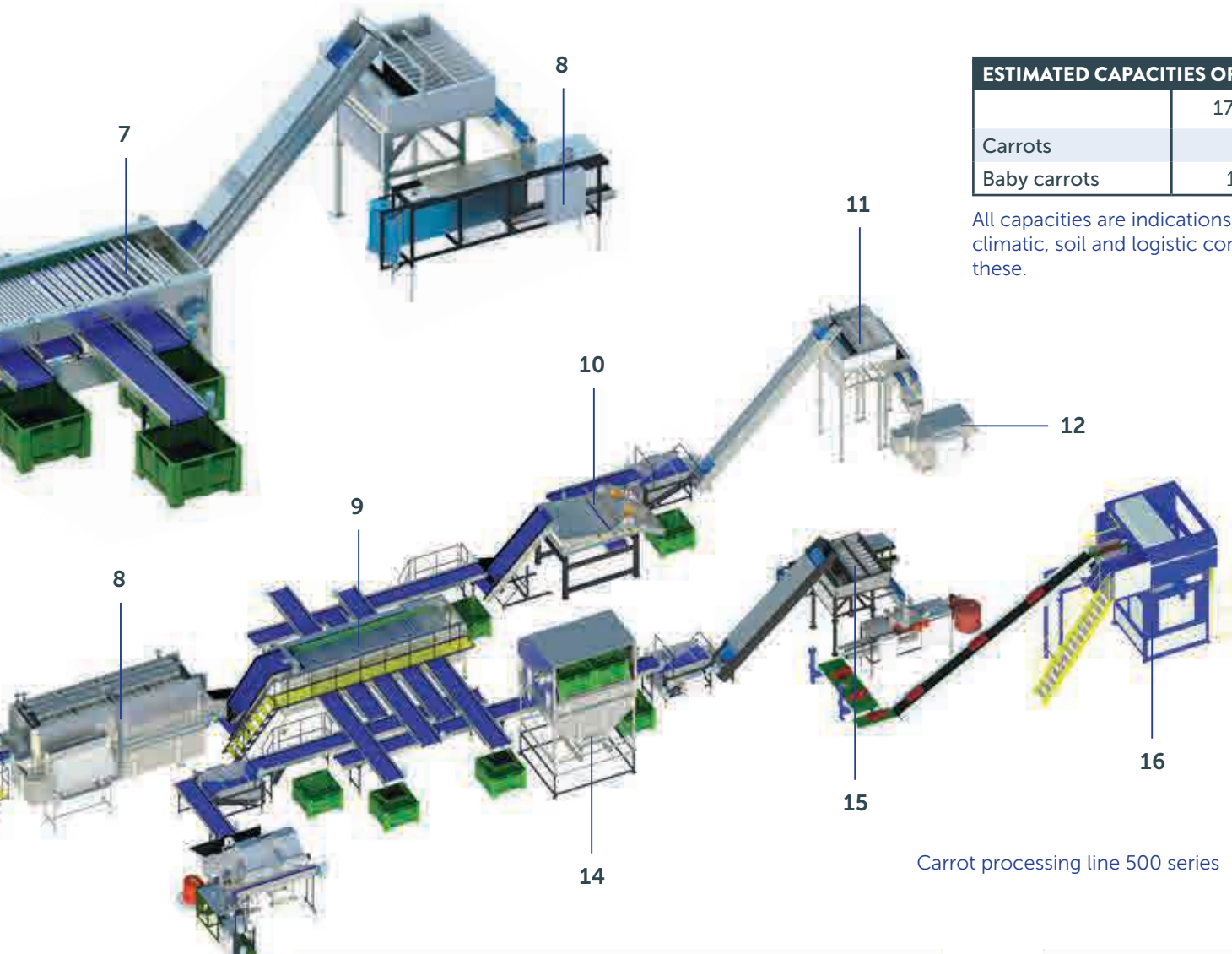


Carrot processing line 450 series



MACHINERY LIST

1. Box tipper Z 180
2. Hopper B 120-450
3. Washing machine U 450-120
4. Polisher TD 300-14
5. Length-chunk grader L 150-2
6. Inspection unit IB 500-40
7. Radial grader R 150-70-4
8. Multihead weighing machine



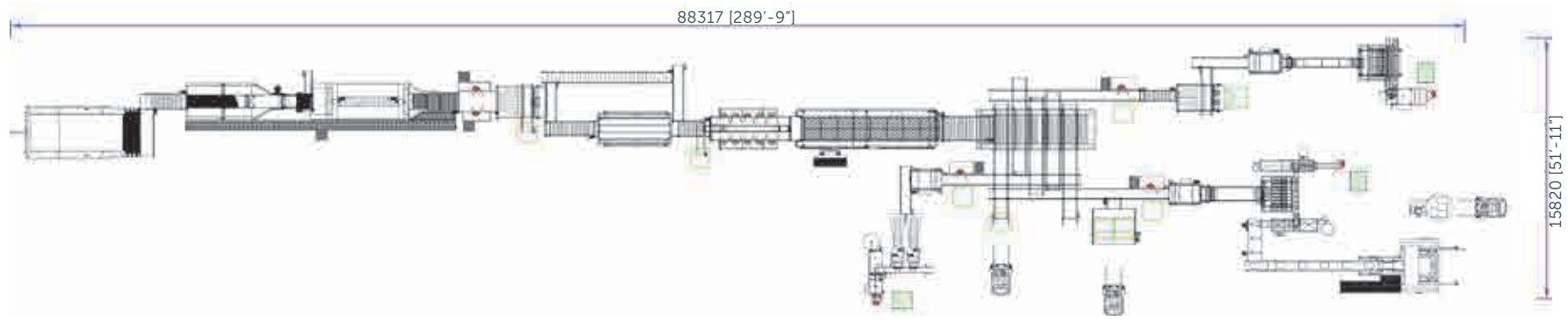
ESTIMATED CAPACITIES OF THE CARROT LINES HEAVY & LIGHT SOIL (TONS/HOUR)				
	170 LINE	300 LINE	450 LINE	500 LINE
Carrots	1 - 2	2 - 3	4 - 8	8 - 16
Baby carrots	1 - 1.5	2 - 3	3 - 6	6 - 12

All capacities are indications based on experience from the past and depend on the agro climatic, soil and logistic conditions of the product, Allround VP does not guarantee any of these.

MACHINERY LIST

1. Receiving hopper ARH 240-600
2. Wet hopper J 4
3. Leaf separator LS 100
4. Washing machine U 500-160
5. Length-chunk grader L 180-2
6. Polisher TD 350-18
7. Inspection unit IB 500-50
8. Hydrocooler HC 200
9. Radial grader R 170-70-5
10. Length-chunk grader L 150-2
11. Multihead weighing machine
12. Vertical fill bagger
13. Weighing and bag sticher
14. Storage hopper-box tipper SHB 160-3
15. Multihead weighing machine
16. Palletizer

Carrot processing line 500 series



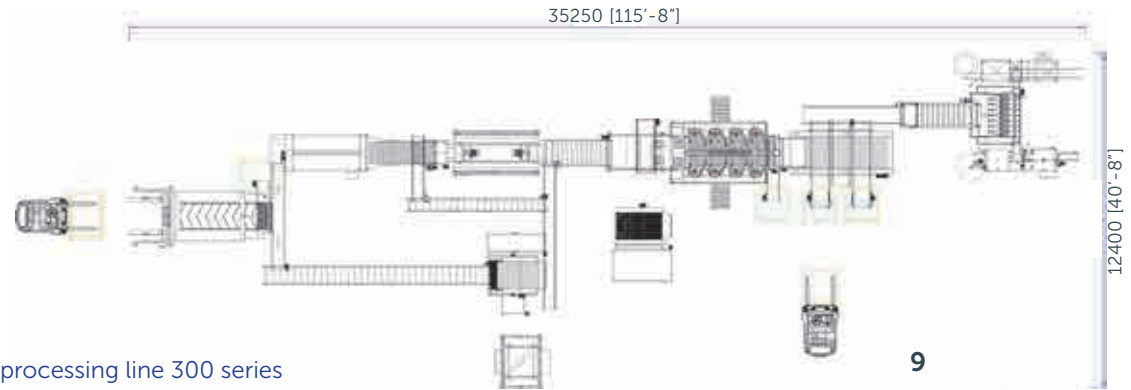
INTEGRATED LINES

ALLROUND INTEGRATED PROCESSING LINES

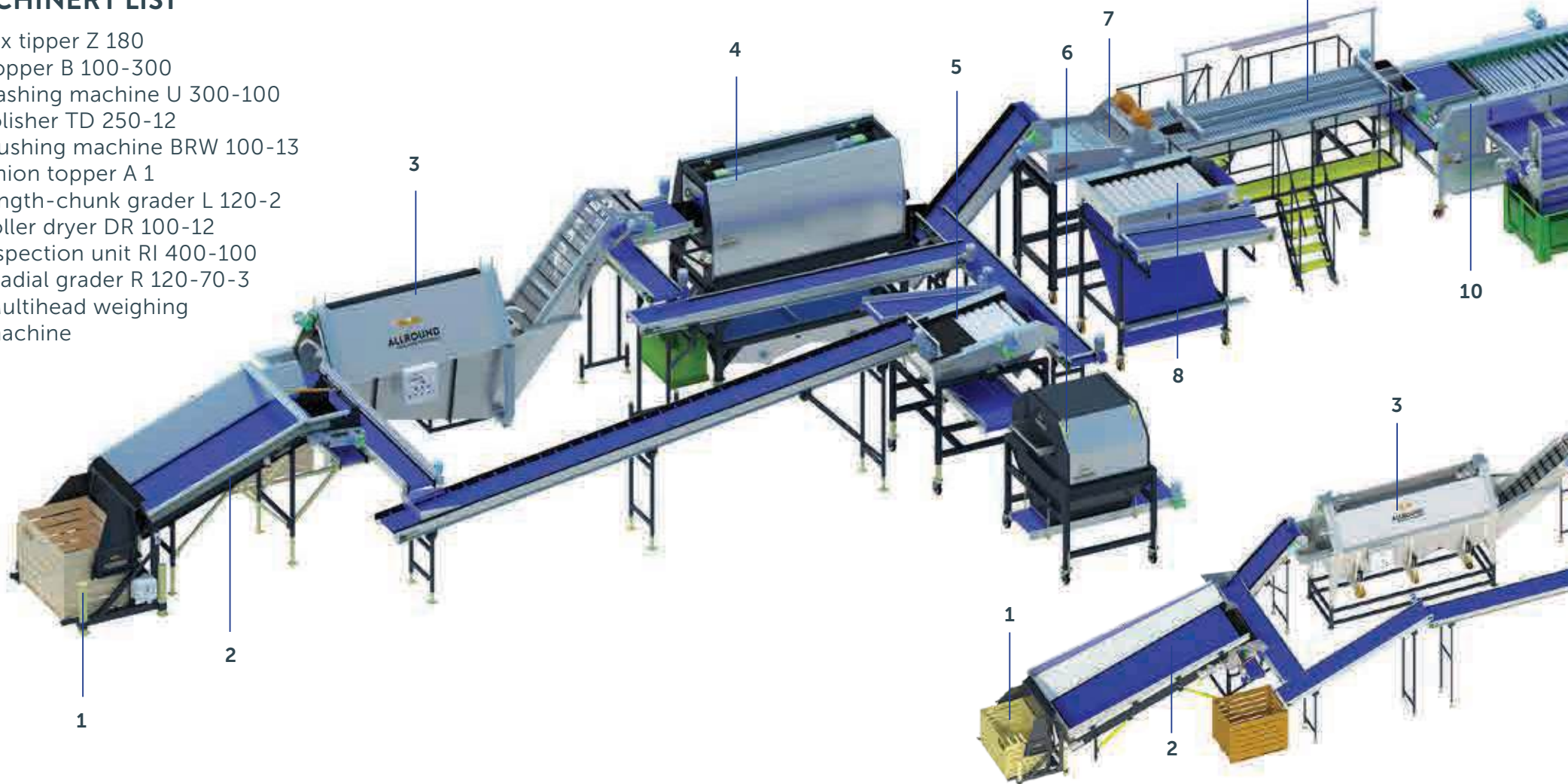
Allround Integrated Processing lines (AIPL's) are designed to process different types of products on 1 line. All the below mentioned products can be combined on a AIPL with capacities ranging from 1 to 30 tons / hour.

MACHINERY LIST

1. Box tipper Z 180
2. Hopper B 100-300
3. Washing machine U 300-100
4. Polisher TD 250-12
5. Brushing machine BRW 100-13
6. Onion topper A 1
7. Length-chunk grader L 120-2
8. Roller dryer DR 100-12
9. Inspection unit RI 400-100
10. Radial grader R 120-70-3
11. Multihead weighing machine



Allround integrated processing line 300 series

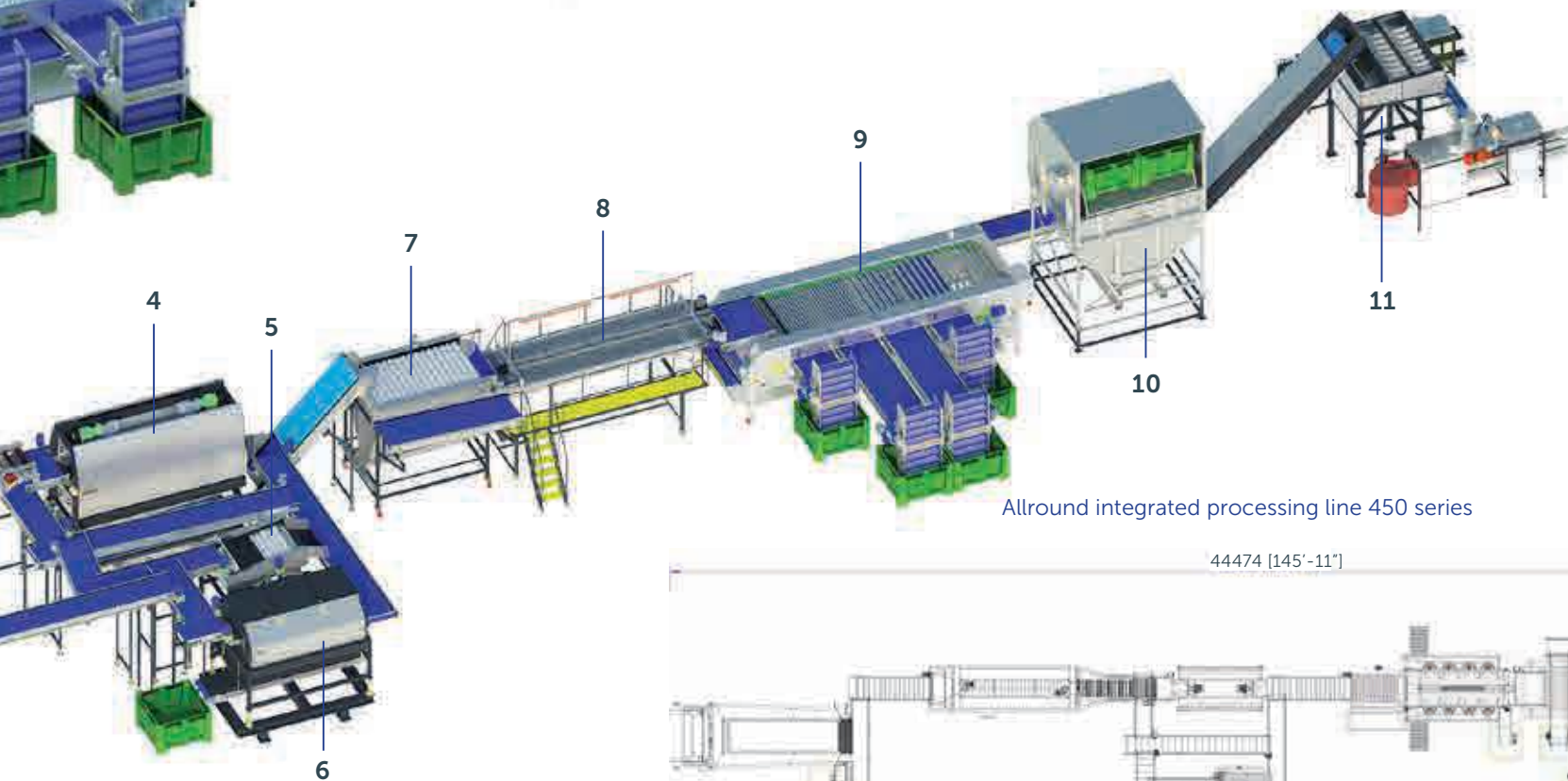




ESTIMATED CAPACITIES OF THE AIPL LINES HEAVY & LIGHT SOIL (TONS/HOUR)

	AIPL 170	AIPL 300	AIPL 450	AIPL 500
Carrots	1 - 2	2 - 3	4 - 8	8 - 16
Baby carrots	1 - 1.5	2 - 3	3 - 6	6 - 12
Red beet	1.5 - 2	2 - 3	5 - 9	15 - 17
Potatoes	2 - 3	5 - 7	12 - 17	25 - 30
Parsnips	1 - 1.5	2 - 3	4 - 6	7 - 11
Celeriac	1.5 - 2.5	2.5 - 3.5	6 - 10	8 - 15
Onions	3 - 5	3 - 5	6 - 10	10 - 15
Set onions	2 - 3	2 - 3	4 - 6	6 - 8

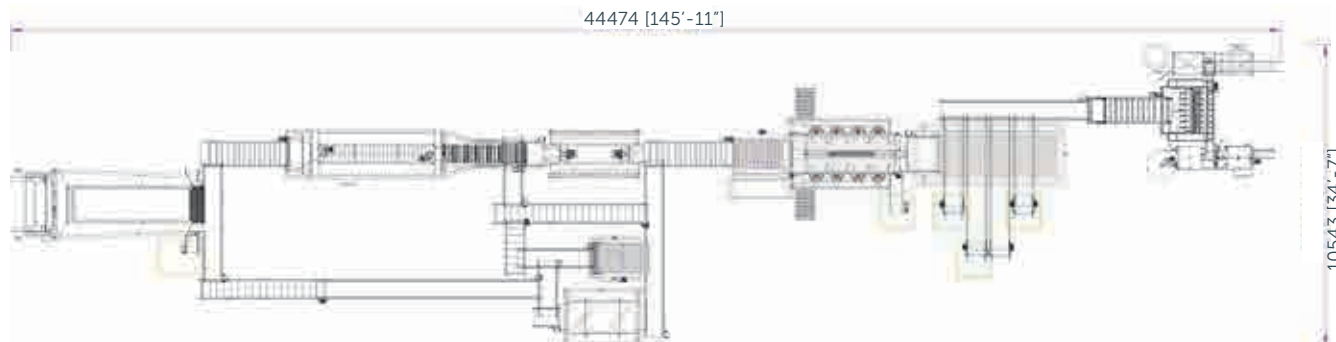
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MACHINERY LIST

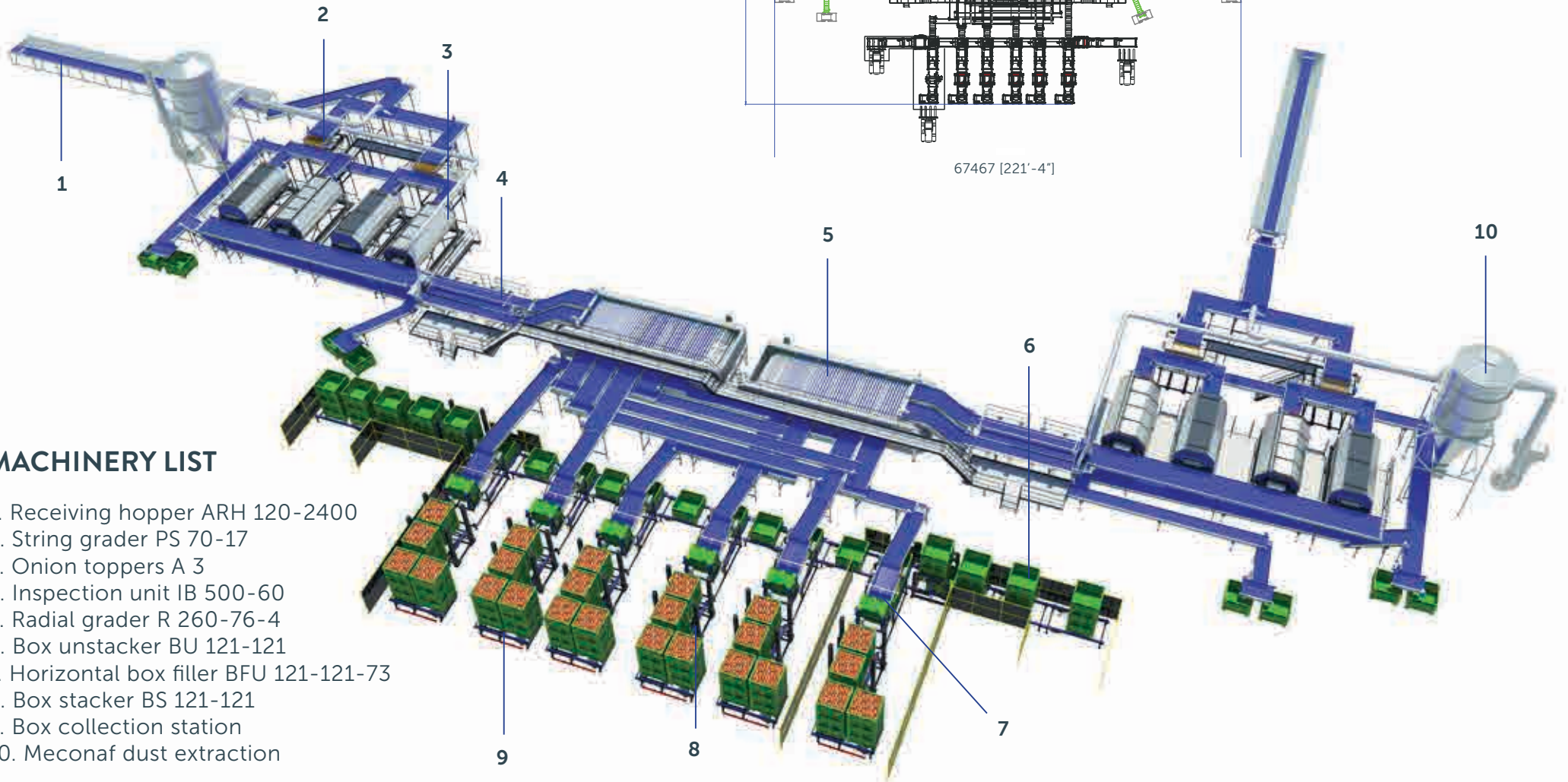
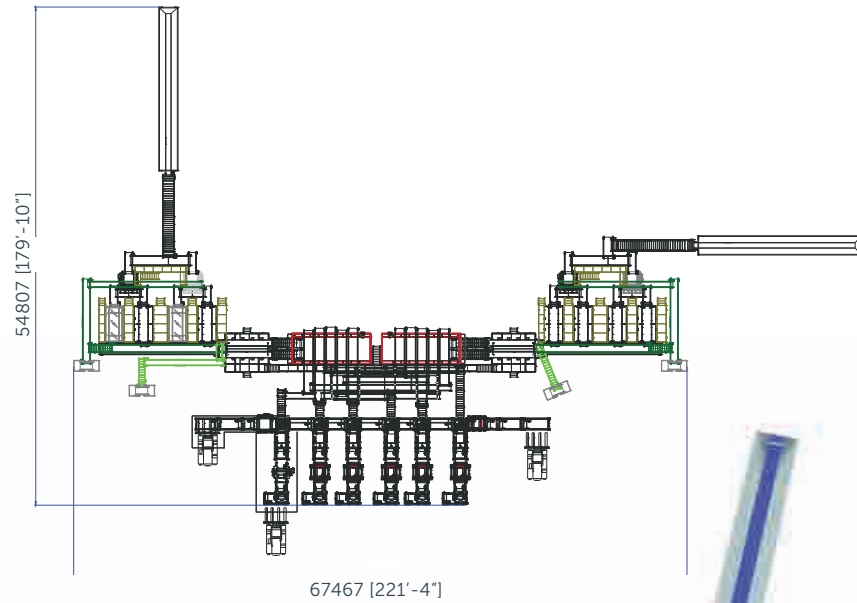
1. Box tipper Z 180
2. Hopper B 120-450
3. Washing machine U 450-120
4. Polisher TD 300-14
5. Brushing machine BRW 120-15
6. Onion topper A 2
7. Roller dryer DR 140-17
8. Inspection unit RI 400-100
9. Radial grader R 150-70-4
10. Storage hopper-box tipper SHB 180-3.5
11. Multihead weighing machine

Allround integrated processing line 450 series



ONION LINE - HORIZONTAL BOX AUTOMATION

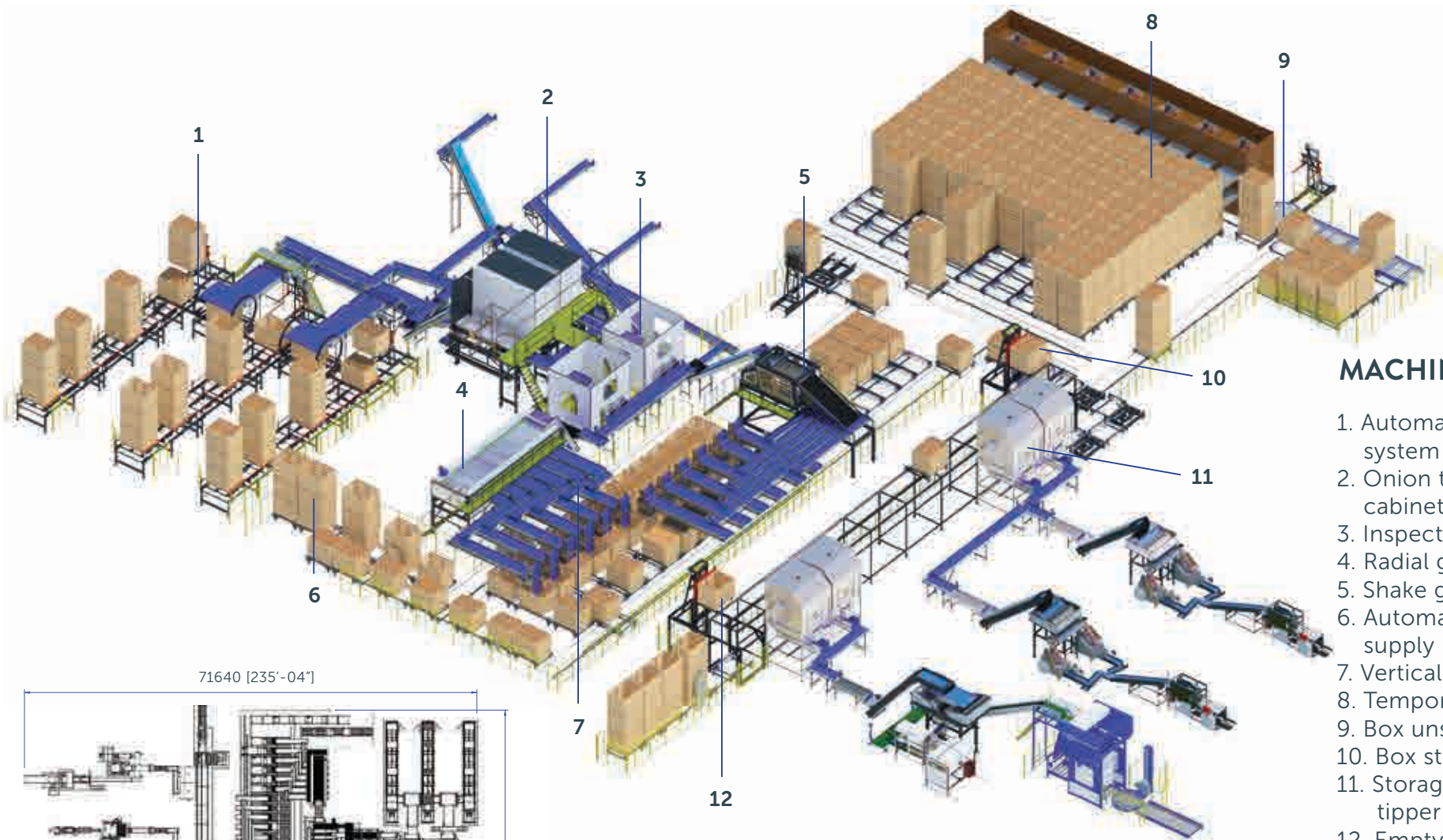
An onion line with a capacity of 90-tons/hour. This version is stainless steel with food-grade belts, and automated box-filling and transport system. This box system is designed to collect full boxes in double-stacks.



MACHINERY LIST

1. Receiving hopper ARH 120-2400
2. String grader PS 70-17
3. Onion toppers A 3
4. Inspection unit IB 500-60
5. Radial grader R 260-76-4
6. Box unstacker BU 121-121
7. Horizontal box filler BFU 121-121-73
8. Box stacker BS 121-121
9. Box collection station
10. Meconaf dust extraction

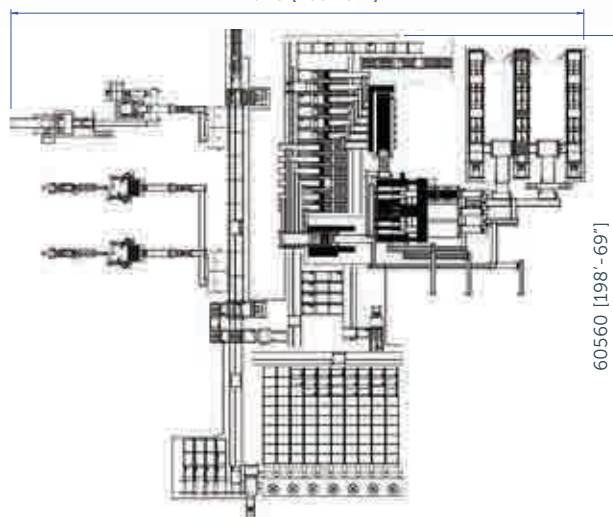
ONION LINE - FULLY AUTOMATED BOX HANDLING



MACHINERY LIST

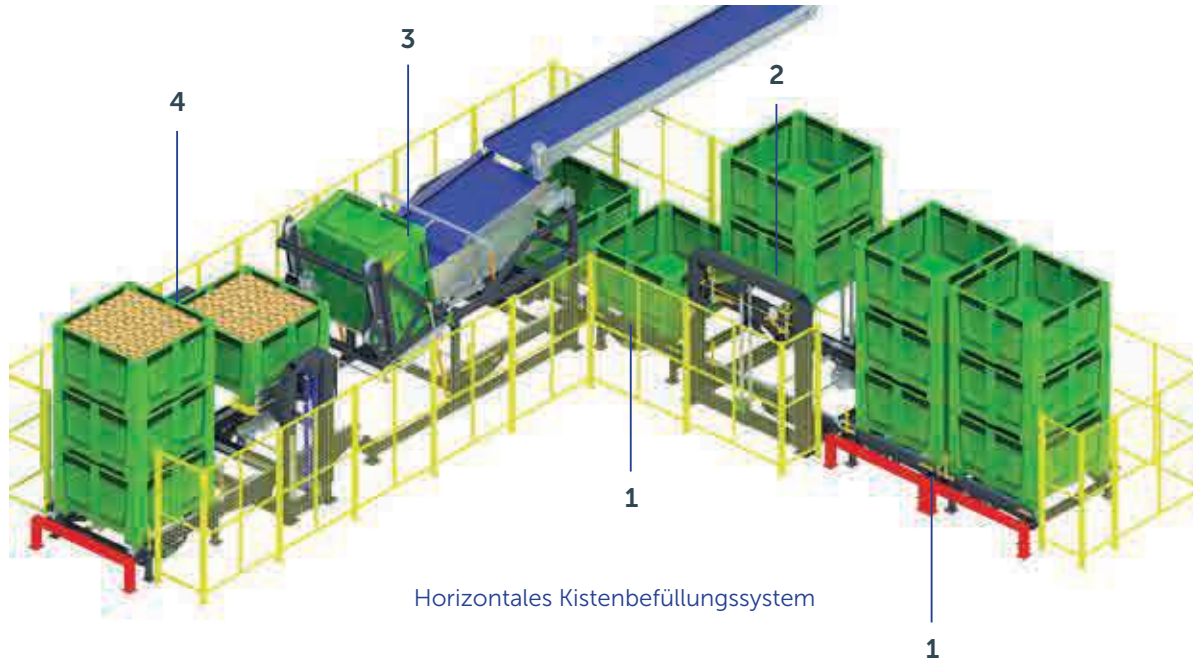
1. Automatic box feeding system
2. Onion toppers A 3 cabinet
3. Inspection unit IB 300-60
4. Radial grader R 170-70-6
5. Shake grader SG 120-5
6. Automatic empty box supply
7. Vertical box filling
8. Temporary box storage
9. Box unstacker
10. Box stacker
11. Storage hopper-box tipper SHB 160-3
12. Empty box stacker

71640 [235'-04"]



A fully automated 30-tons/hour onion line constructed in France. Box feeding system with two high speed revolving box tippers. Three onion toppers with rail system and crane for changing sieves. Roller inspection tables in cabins. Depending on the shape of the product, a choice for radial grading or shake grading. Because of space and combination of two grading systems, inevitable selection of vertical box filling system. Filled boxes to the temporary storage for even flow and conditioning. From storage automatically to the packaging stations.

BOX FILLING SYSTEM



Horizontales Kistenbefüllungssystem

- Box unstacking, box tipping & box stacking
- Fully automatic box filling and transportation system
- Provides a logistic advantage by reducing forklift movements
- Very gentle filling of the boxes no leveling needed
- Central point to collect the boxes
- A complete Track & Trace system can be included
- Optionally with box unstacker so more boxes can be placed in one at a time
- Optionally with scale to weigh the boxes
- Can be added to existing lines
- Smaller footprint

MACHINERY LIST

1. Empty box feeding
2. Box unstacker BU 121-121
3. Box filler BFU 121-121-73
4. Box stacker BS 121-121

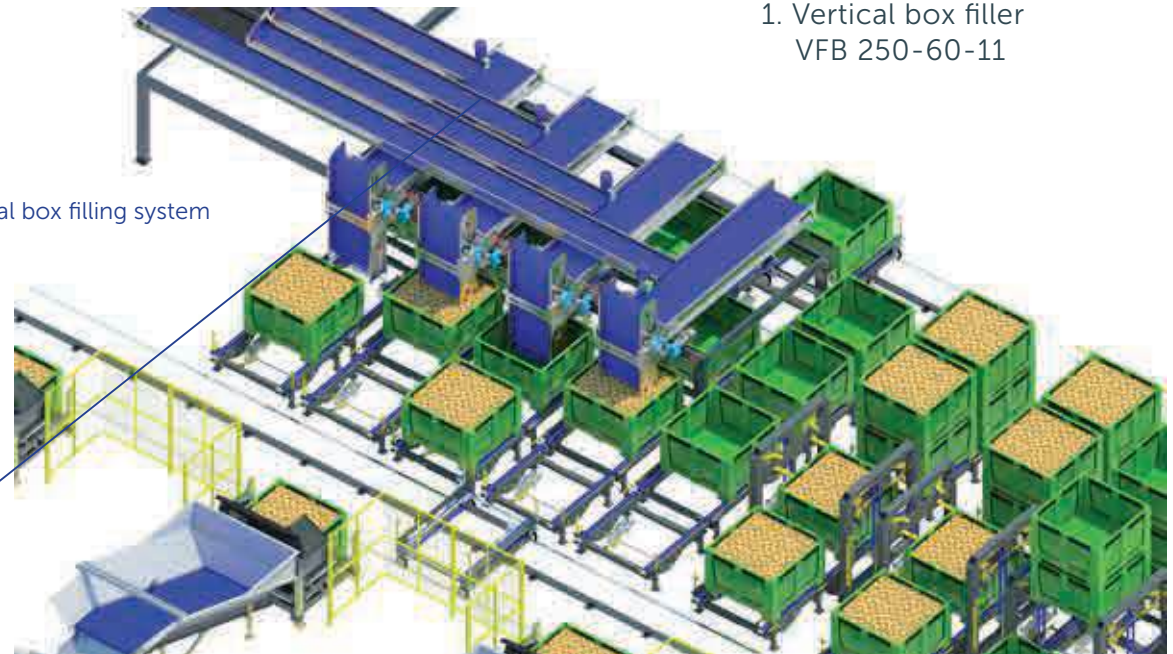
Vertical and horizontal box filling system depends on:

- Box sizes
- Space available

MACHINERY LIST

1. Vertical box filler VFB 250-60-11

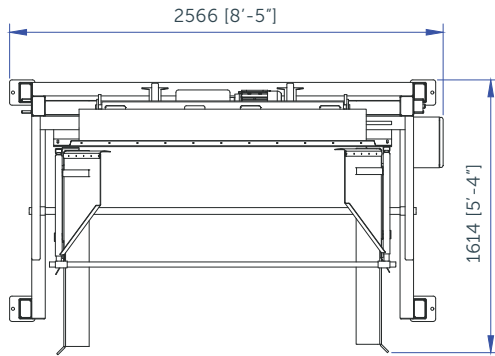
Vertical box filling system



BOX TIPPER

BOX TIPPER

- To tip boxes into a hopper or a belt
- Max. box width: 8'-20"
- Models available: Z 160, Z 180, ZT 120, ZT 160, ZT 240

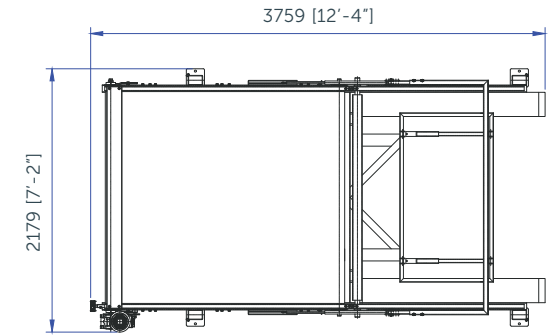


Box Tipper Z 180



CABBAGE BOX TIPPER

- For tipping cabbage into the line without a drop
- Can also be used for other products
- Models available: ZC 160



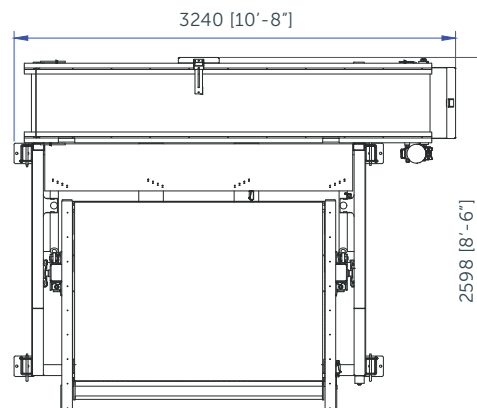
Cabbage Box Tipper ZC 160

DOSING BOX TIPPER

- Constant adjustable flow of product
- No drop height
- Models available: ZD 160



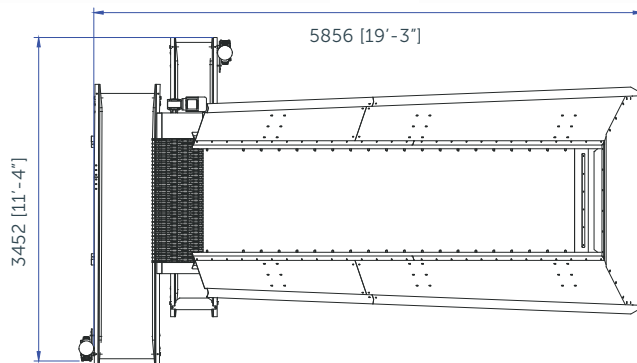
Dosing Box tipper ZD 160



DOSING HOPPER, ROLLER SET



Hopper B 120-450



DOSING HOPPER

- Gentle feeding of the line
- Suitable for boxes and big bags
- Models: B 100-300, B 120-350, B 120-450, B 120-600, B 160-500, B 160-650

HOPPERS CONTENT (M³)

	TOTAL CONTENT	EFFECTIVE CONTENT
B 100 - 300	2	1.5
B 120 - 450	5.5	3.5
B 160 - 500	11	7



Spiral roller set



Stainless roller set

FIXED ROLLER SET

- Adjustable roller sets for pre-cleaning
- Available with spiral, stainless steel, finger, diabolic and soft rollers
- Can be mounted on all types of Allround hoppers and stand-alone
- Models available: RE
- Widths available: 80, 100, 120, 160, 240
- Rollers available: 6, 8



Fixed roller set

ADJUSTABLE ROLLER SET

- Adjustable roller sets for pre-cleaning
- Available with spiral, stainless steel, finger, diabolic and soft rollers
- Can be mounted on all types of Allround hoppers and stand-alone
- Models: VRE, VRH
- Widths available: 80, 100, 120, 160, 240
- Rollers available: 6, 8



Receiving hopper ARH 160-400-200



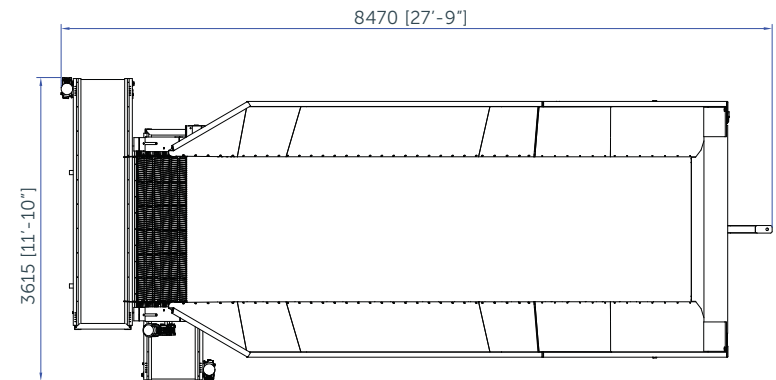
Receiving hopper ARH 160-400

RECEIVING HOPPER

- They are suitable for dump trailers because of the flat-bottom.
- Best value-for-money receiving hoppers
- Models: ARH 160-400, ARH 160-400-100, ARH 160-400-200, ARH 160-400-300, ARH 240-600

Options:

- Pre-grading and pre-cleaning
- Flat bottom part for side-tipping trailers



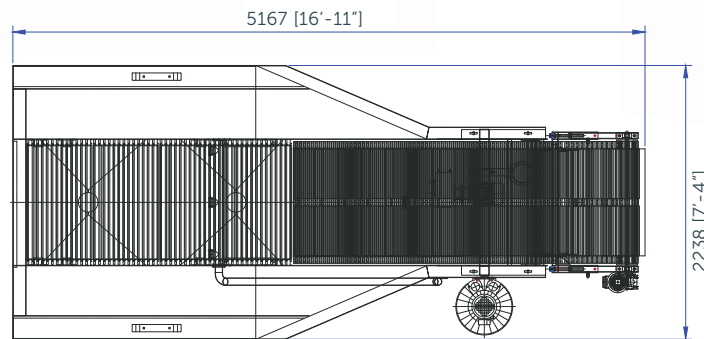
WET HOPPER



Wet hopper J 2



Wet hopper J 4

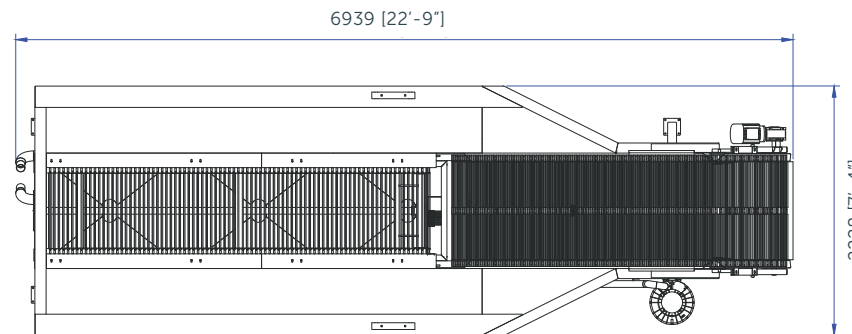


WET HOPPER

- Pre-soaking method for product from heavy soil
- Water with air forced through for agitation

Optional:

- Integrated destoner
- Models available with 6 and 12 m³ content
- Models: J 2, J 4, J 10



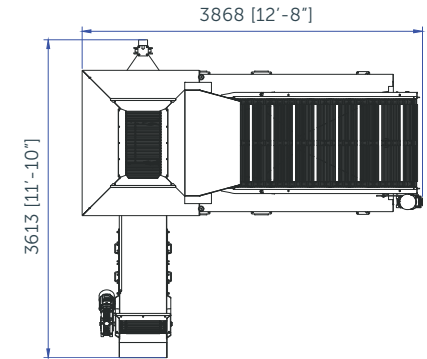
DESTONER, SKIN SEPARATOR



Destoner D 110

DESTONER

- To remove stones and clods from your products!
- Capacity: 25 - 80 tons / hour
- Models: D 110, D 150, D 200

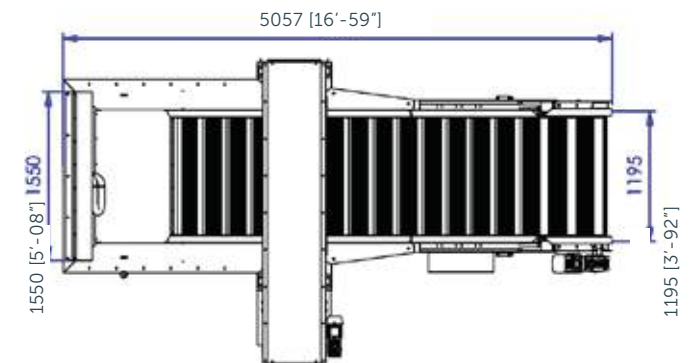


SKIN SEPARATOR

- To remove floating waste from your product
- Capacity: 25 - 80 tons / hour
- Models: SK 100, SK 160



Skin separator SK 160

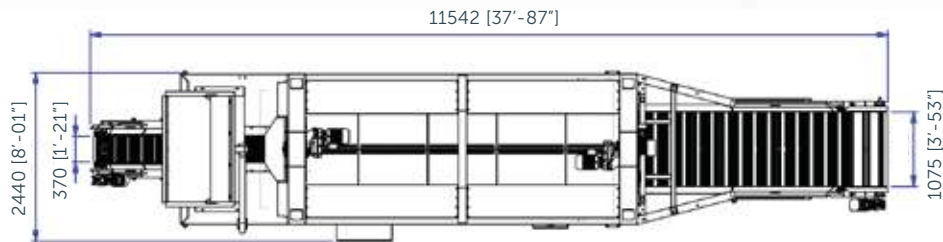


WASHING MACHINE

Washing machine PD 500



Optional spraying tube

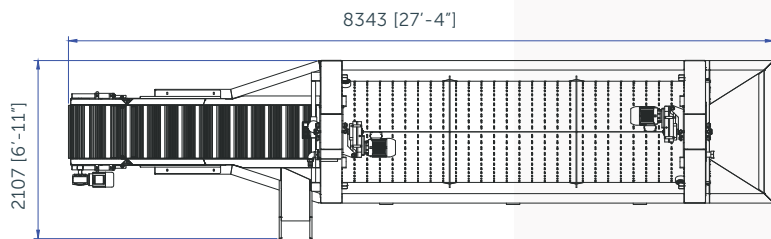


Optional sieve bow for washing machine

DRUM LENGTH X Ø	170X80 CM	300X100 CM	450X120 CM	500X160 CM	600X190 CM
	170 TYPE	300 TYPE	450 TYPE	500 TYPE	600 TYPE
Drum content (m ³)	0.83	2.36	5.09	10.05	17
C-type (carrots only)	Available	Available	Available	-	-
U-type	Available	Available	Available	Available	Available
UK-type	-	Available	Available	Available	-
PD-type	-	Available	Available	Available	-
PDK-type	-	Available	Available	Available	-

ESTIMATED CAPACITIES OF THE WASHING MACHINES (TONS/HOUR)

	170 TYPE	300 TYPE	450 TYPE	500 TYPE	600 TYPE
Carrots	1 - 2	2 - 3	4 - 8	8 - 16	22 - 25
Baby carrots	1 - 1.5	2 - 3	3 - 6	6 - 12	10 - 20
Red beet	1.5 - 2	2 - 3	5 - 9	15 - 17	20 - 23
Potatoes	2 - 3	5 - 7	12 - 17	25 - 30	32 - 40
Parsnips	1 - 1.5	2 - 3	4 - 6	7 - 11	10 - 15
Celeriac	2	2.5 - 3.5	6 - 10	8 - 15	12 - 20



Washing machine U 450-120

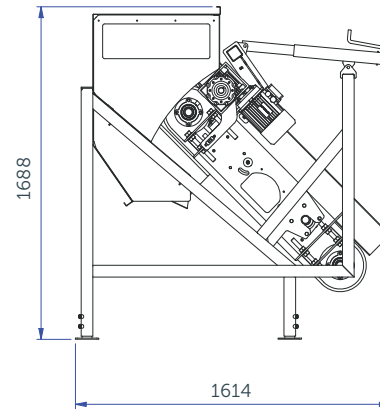
All capacities are indications based on experience from the past and depend on the agro climatic, soil and logistic conditions of the product, Allround VP does not guarantee any of these.

WASHING MACHINES	C - TYPE (CARROTS ONLY)	U - TYPE	UK - TYPE	PD - TYPE	PDK - TYPE
Recirculation system	-	Option	Option	Option	Option
Recirculation system 'dirty washing'	-	Option	Option	Option	Option
Recirculation system 'sieve bow'	-	Option	Option	Option	Option
Brush in the drum	Option	Option	Option	Option	Option
Pintle rubber in the drum	Option	Option	Option	Option	Option
Water level adjustable	-	Standard	Standard	Standard	Standard
Automatic water level adjustment	-	Option	Option	Option	Option
Integrated Destoner	-	-	-	Standard	Standard
Stainless steel drum	Standard	Standard	Standard	Standard	Standard

LEAF SEPARATOR, LENGTH-CHUNK GRADER

VERTICAL LEAF SEPARATOR

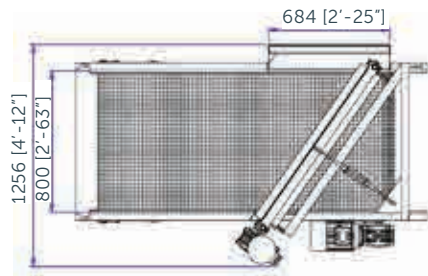
- Vertical hedgehog belt removes leaves from the product
- Angle is adjustable
- Models: LS 80, LS 100, LS 120



Vertical leaf separator LS 120

HORIZONTAL LEAF SEPARATOR

- Horizontal hedgehog belt removes leaves from the product
- Widths available: 80, 100
- Length available: 200 till 400, in steps of 25 cm



Leaf separator LSH 200-80



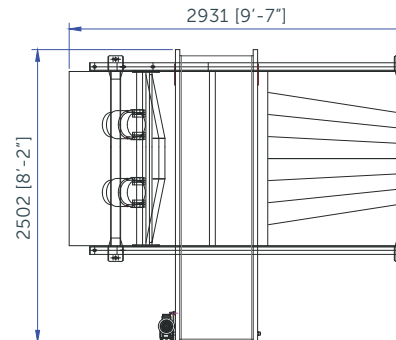
LENGTH-CHUNK GRADER

- To separate broken carrots
- Grades carrots in two or three lengths + oversize
- Saves at least 1-2 people at the inspection table
- W-shaped infeed bed to spread the carrots on the machine
- Opening is adjustable
- Models available: L 100, L 120, L 150, L 180, L 200

CHUNK/LENGTH GRADER (T/H)	
L 100	2 - 3
L 120	3 - 5
L 150	4 - 7
L 180	6 - 9
L 200	8 - 11

Option:

- Waste belt



Length-chunk grader L 120-2



POLISHER

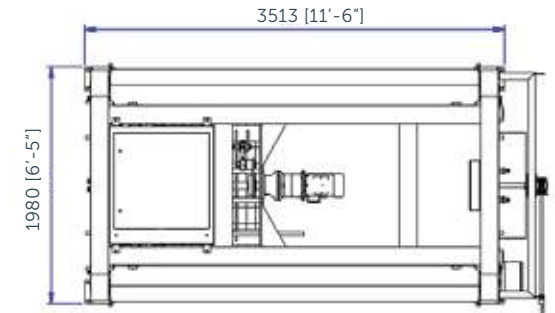
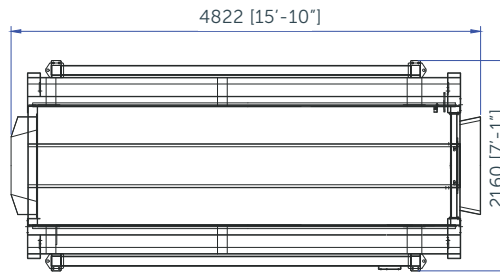
- Half-round and round drum types available
- Brushes available: 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.60, 0.70
- Brushes and shafts are easy to mount and dismount

Options:

- Legs
- Water cleaning system
- Water recirculation system
- Stainless steel



Polisher TD 350-18



Polisher RM 300-8



	RM 300-8	TD 250-12	TD 300-14	TD 350-18
Brush segments	8	12	14	18
Drum length (mm)	3000	2500	3000	3500
Potatoes (t/h)	8 - 10	10 - 14	15 - 17	25
Carrots (t/h)	3 - 5	6 - 8	8 - 10	15 - 20
Baby carrots (t/h)	2 - 4	5 - 7	6 - 8	10 - 15

All capacities are indications based on experience from the past and depend on the agro climatic, soil and logistic conditions of the product, Allround VP does not guarantee any of these.

INSPECTION UNIT

Inspection belt IB 500-50

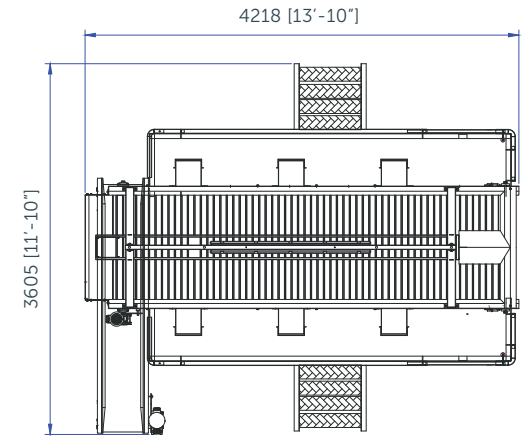


INSPECTION UNIT

- Roller inspection table and inspection belts available
- Models available: RI, RIZ, IB

Options

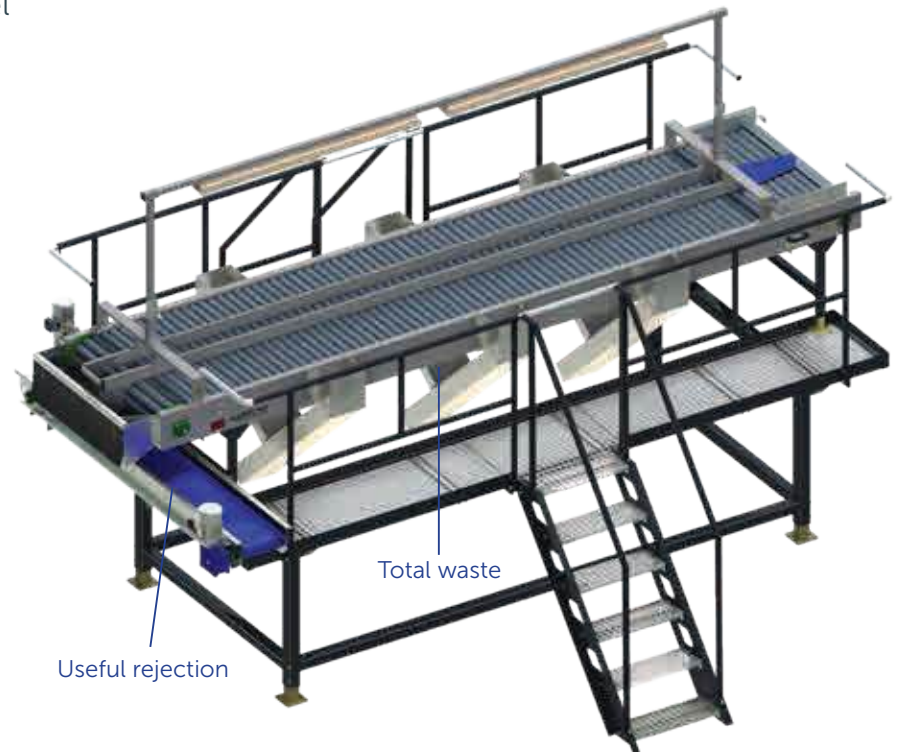
- Single platform
- Double platform
- Frequency inverter
- Aisle in the middle
- Waste belt
- Waste chute
- Adjust roller speed
- Stainless steel



Inspection unit RI 400-100



Sitting Inspection



BRUSHING MACHINE, ROLLER DRYER

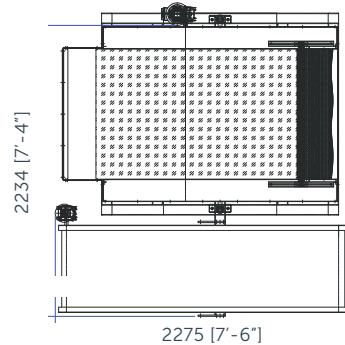


Potato brush BRW 100-13

POTATO BRUSH

- Soft waved brush for cleaning dry dirt
- Models: BR 60-9, BR 100-13, BR 120-15

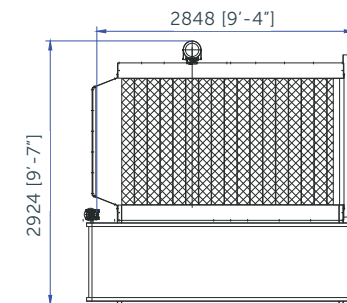
POTATO BRUSH (TONS/HOUR)	
BRW 60-9	6
BRW 100-13	10
BRW 120-15	15



ROLLER DRYER

- Felt dryer for potatoes
- Optional by-pass belt
- Models available: DR
- Widths available: 90, 110, 130, 150 & 180 cm
- Rollers available: 10, 15, 20

ROLLER DRYER (TONS/HOUR)	
DR 60-10	6
DR 100-12	10
DR 140-17	20



Potato brushing machine BRF 120-15

BRUSHING MACHINE

- Flat brush for cleaning, brush hardness
- Can be used in dry or wet circumstances
- Products: potatoes, onions
- Models available: BRF
- Widths available: 90, 110, 130, 150 & 180 cm
- Rollers available: 10, 15, 20

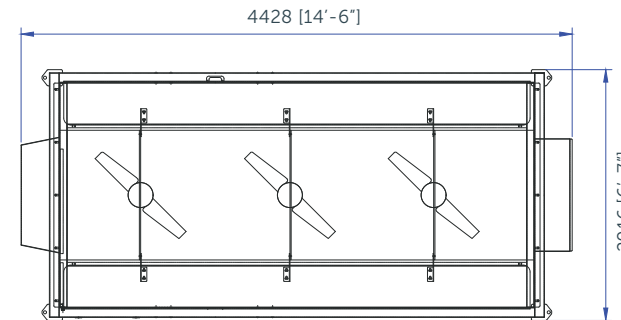
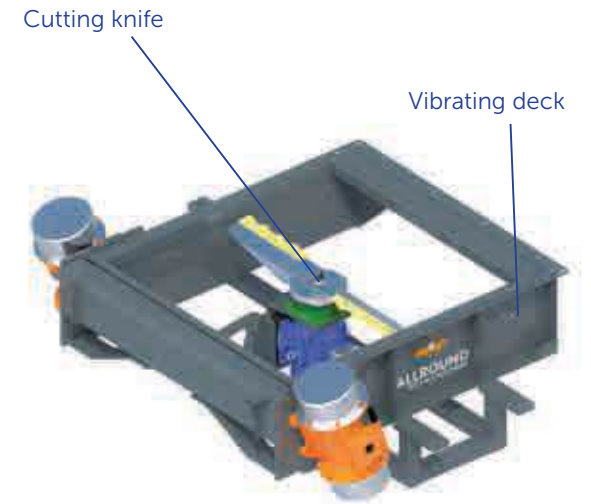


Roller dryer DR 150-20

ONION TOPPER, PRE-GRADER



Onion Topper A 3



ONION TOPPER

- Air circulation caused by a propeller in the machine drags the onion tops through a sieve
- The knife on the propeller cuts the tops of the onion
- Waste is collected on a waste belt
- New adjustable blade height control
- One, two and three blade models

Options:

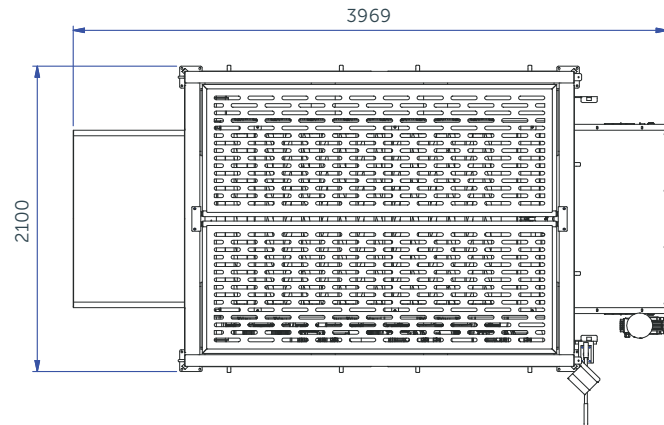
- New design with hydraulic open-top hatch for easy changing of sieves

All capacities are indications based on experience from the past and depend on the agro climatic, soil and logistic conditions of the product, Allround VP does not guarantee any of these.

ONION TOPPERS	NUMBER OF PROPELLORS	WASTE BELT	DUST HOOD	ON WHEELS	CAPACITY ONIONS (T/H)	CAPACITY ONION SETS (T/H)
A 1	1	Standard	Standard	Option	3 - 4	2
A 1+pregrader	1	Standard	Standard	-	3 - 4	2
A 2	2	Standard	Standard	-	6 - 8	4
A 2+pregrader	2	Standard	Standard	-	6 - 8	4
A 3	3	Standard	Standard	-	9 - 12	6
A 3+pregrader	3	Standard	Standard	-	9 - 12	6

ROLLER TOPPER

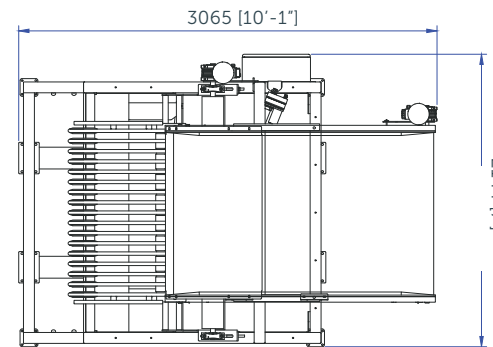
The roller topper is designed to remove tails. The product is transported and rotated over twisted rollers. While being transported tails are cut off by the rollers.



Roller topper RT 120-15

STRING GRADER

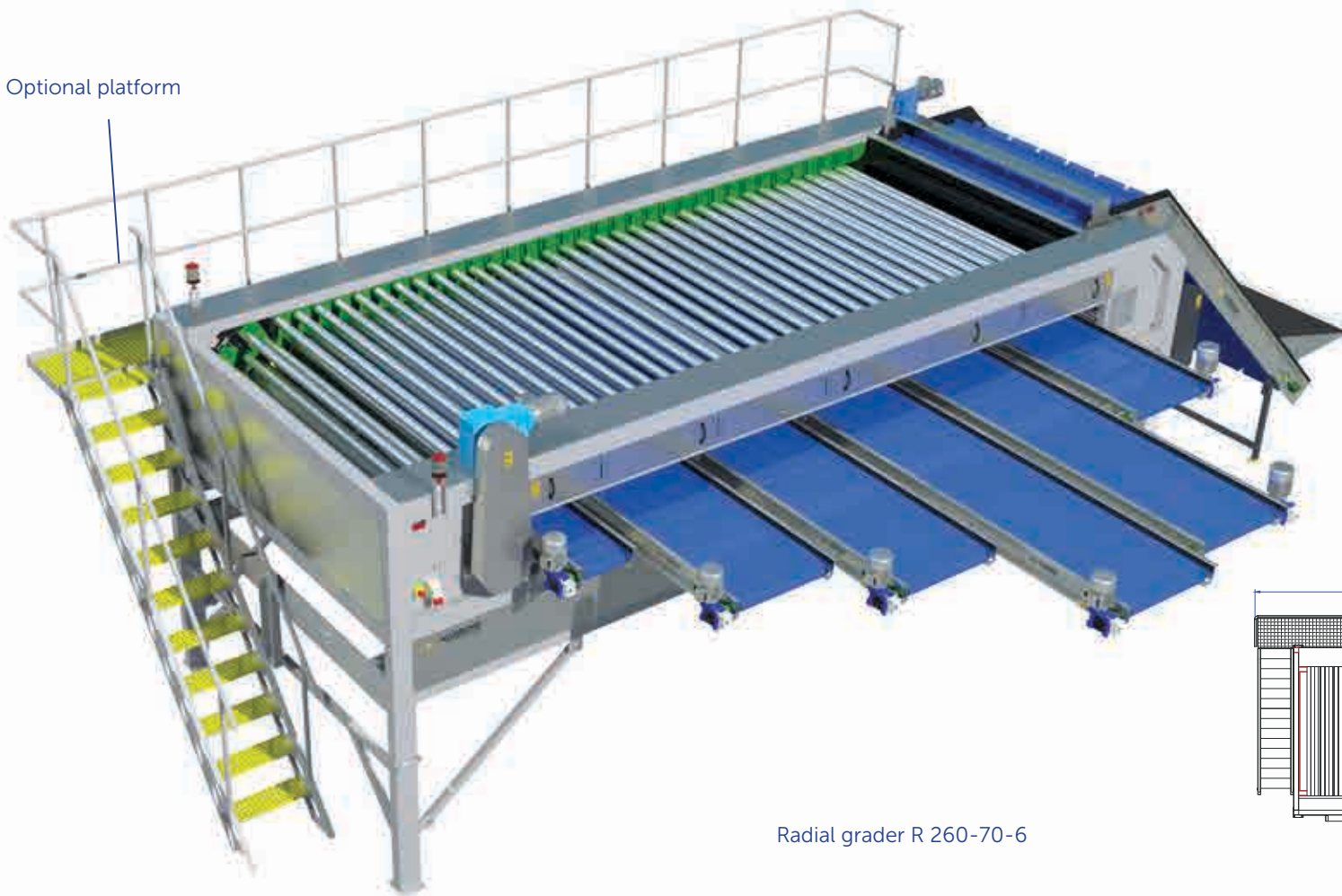
- High capacity pre grader
- To remove stones or under size
- Size-range 40 mm to 100 mm
- Ideal for removing stones and undersize product prior to topping
- Great for separating oversize product
- Grading size set electronically
- Extremely gentle



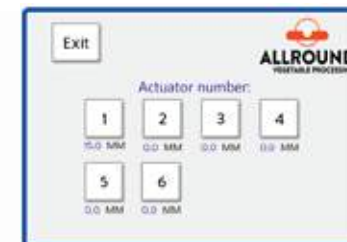
String grader PS 70-17

RADIAL GRADER

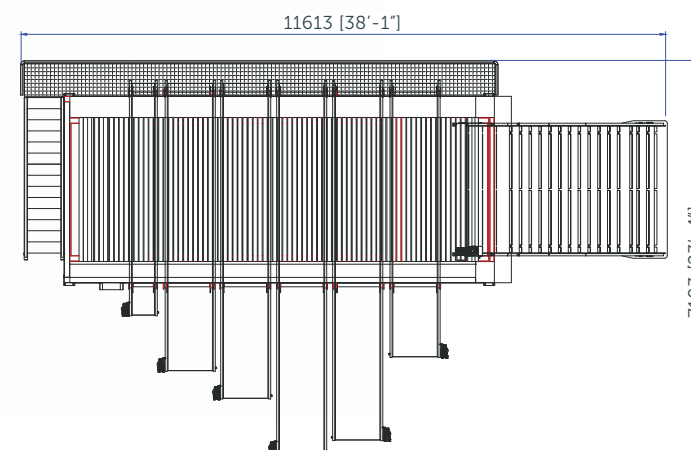
Optional platform



Radial grader R 260-70-6



Automatic size settings



GRADING SIZE MINIMUM - MAXIMUM (MM)

Roll diameter	Pitch 63 mm	Pitch 76.2 mm	Pitch 80 mm	Pitch 90 mm	Pitch 100 mm	Pitch 110 mm	Pitch 125 mm
57 mm	6 - 69	-	-	-	-	-	-
70 mm	-	6.2 - 82.4	10 - 90	20 - 110	30 - 130	40 - 150	-
76 mm	-	-	-	14 - 104	-	-	-
84 mm	-	-	-	-	16 - 116	-	40 - 165



RADIAL GRADER

Allround radial graders are the most effective way of grading round and root-shaped product. The Radial Grader separates the smallest size first. With the receding rollers the product is not damaged during grading. Furthermore, the system gives very high capacities.

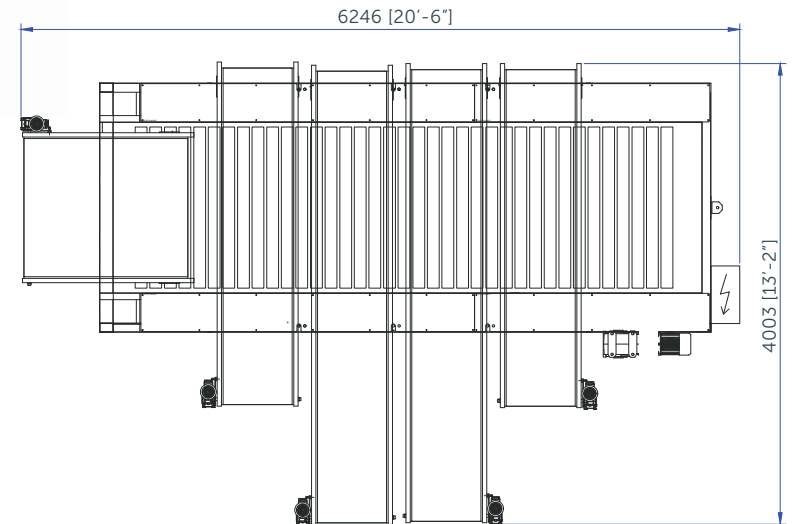
Options

- Brush
- Electrical size adjustment
- Fully stainless steel



Radial grader R 150-70-4

Optional brush



ESTIMATED MAXIMUM CAPACITIES OF THE RADIAL GRADERS (TONS/HOUR)

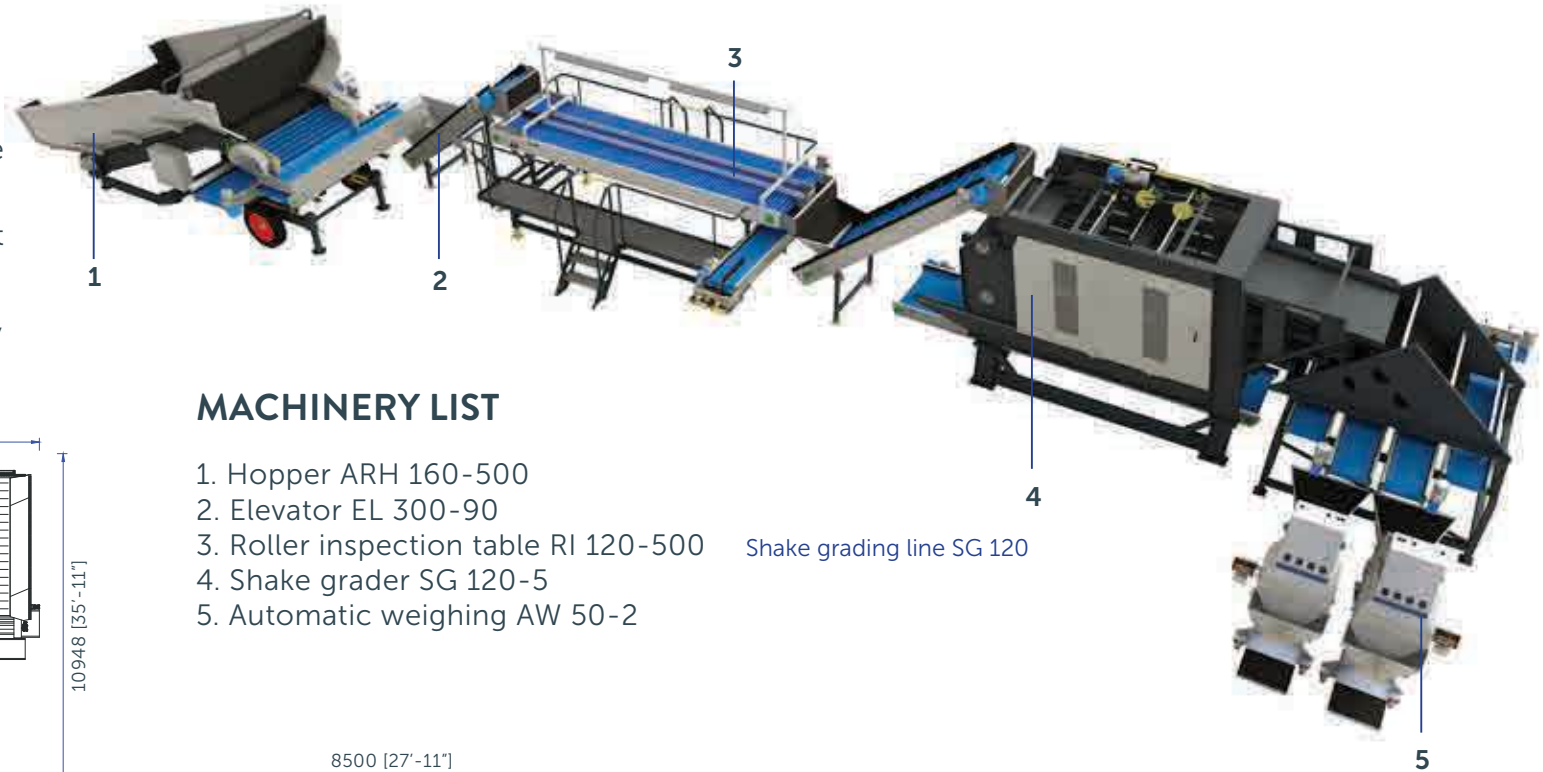
	R 80 TYPE	R 120 TYPE	R 150 TYPE	R 180 TYPE	R 200 TYPE	R 260 TYPE
Carrots	3 - 4	8	14	20	25	35
Baby carrots	3 - 4	5 - 8	10 - 12	14 - 16	18 - 22	25 - 30
Red beet	5 - 6	8 - 10	14 - 16	22 - 30	35	45
Potatoes	6 - 7	8 - 10	15 - 18	22 - 30	35 - 40	45 - 50
Parsnips	2 - 3	3 - 4	6 - 8	12	18	24
Onions	6 - 7	8 - 10	15 - 18	22 - 30	35 - 40	60
Set onions	3 - 5	6 - 8	10 - 12	14 - 16	18 - 22	25 - 30

All capacities are indications based on experience from the past and depend on the agro climatic, soil and logistic conditions of the product, Allround VP does not guarantee any of these.

SHAKE GRADING, WEB GRADING LINES

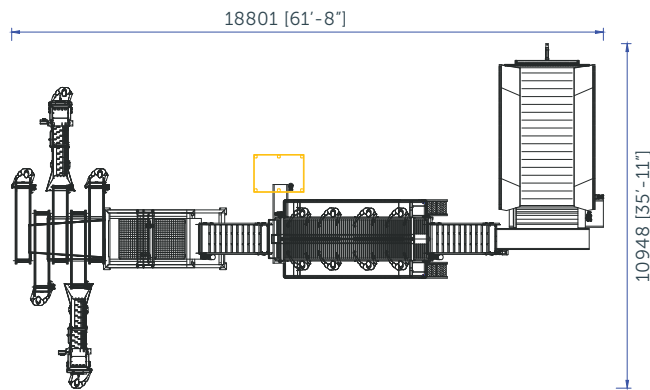
SHAKE GRADER

- Capacity up to 30 tons / hour
- Grades on the square size of the product
- Shake grader separates the biggest size first
- Models available: SG 60-4, SG 80-4, SG 120-5, SG 160-5



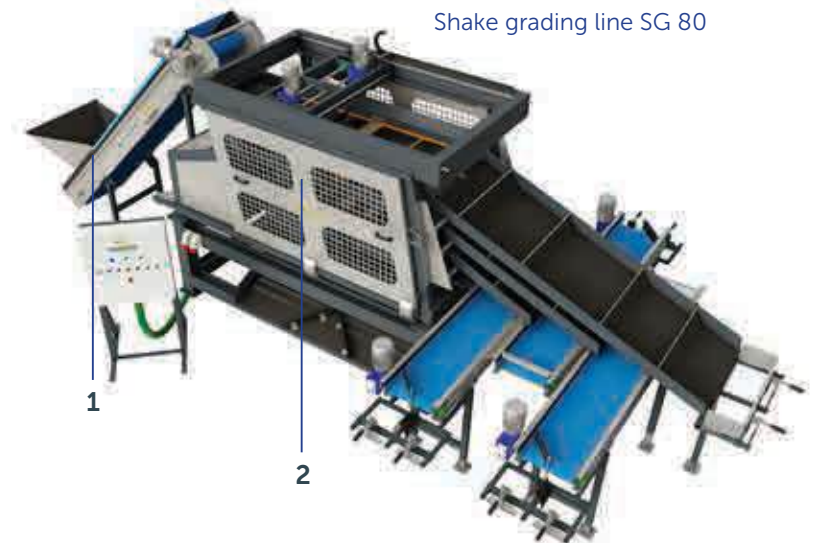
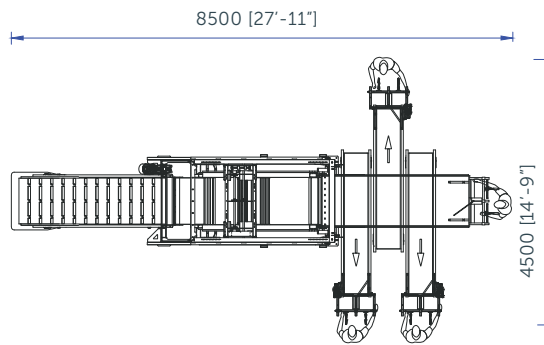
MACHINERY LIST

1. Hopper ARH 160-500
2. Elevator EL 300-90
3. Roller inspection table RI 120-500 Shake grading line SG 120
4. Shake grader SG 120-5
5. Automatic weighing AW 50-2



MACHINERY LIST

1. Elevator EL 350-60
2. Shake grader SG 80-4

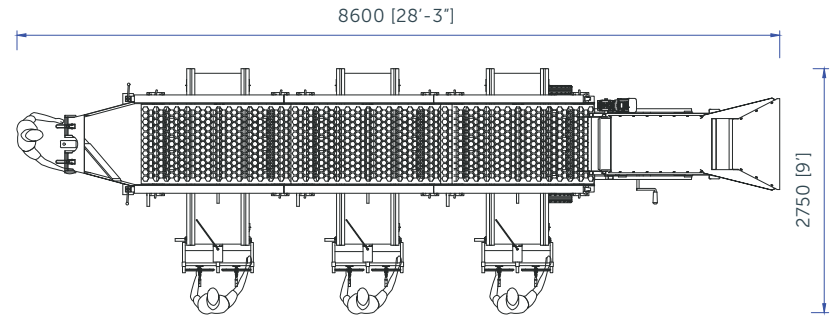


PRODUCT	SG 60	SG 80	SG 120	SG 160
Potatoes (t/h)	5 - 6	10 - 15	20 - 30	40 - 45
Onions (t/h)	4 - 5	8 - 10	20 - 25	30 - 35

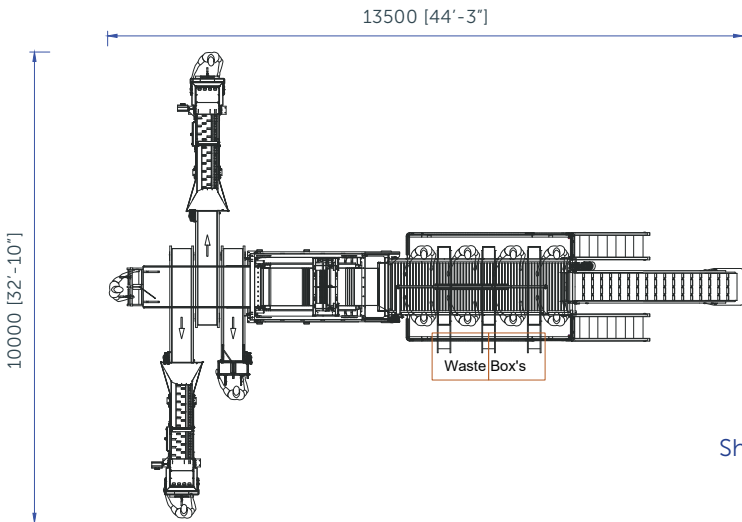
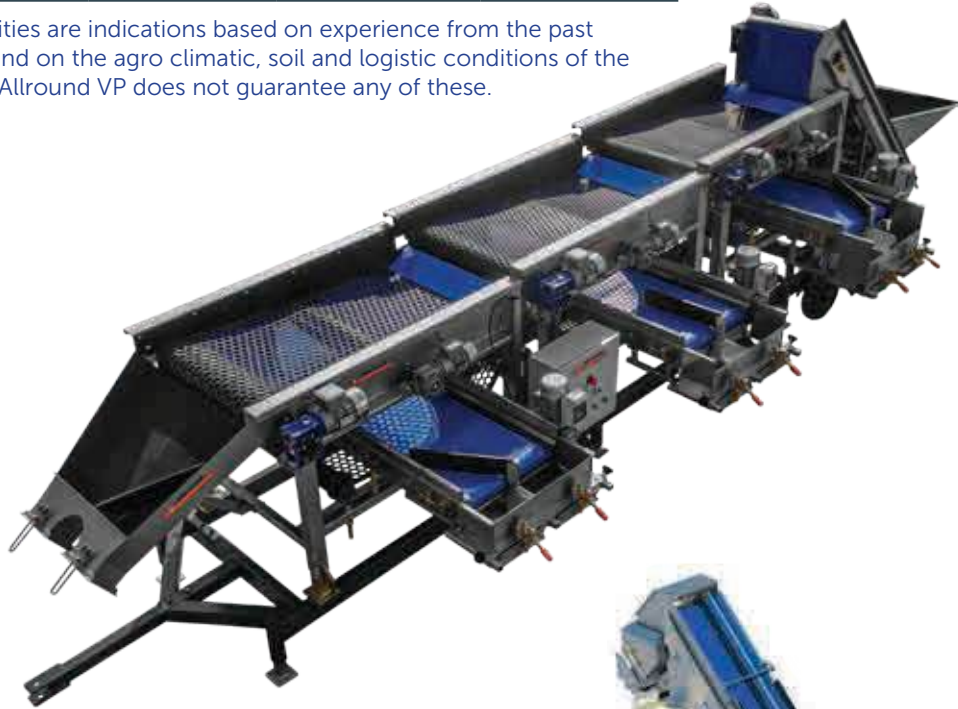
All capacities are indications based on experience from the past and depend on the agro climatic, soil and logistic conditions of the product, Allround VP does not guarantee any of these.

PRODUCT	SS 90	SS 120	SS 180
Potatoes (t/h)	8 - 10	12 - 14	18 - 20
Onions (t/h)	6 - 8	10 - 12	15 - 18

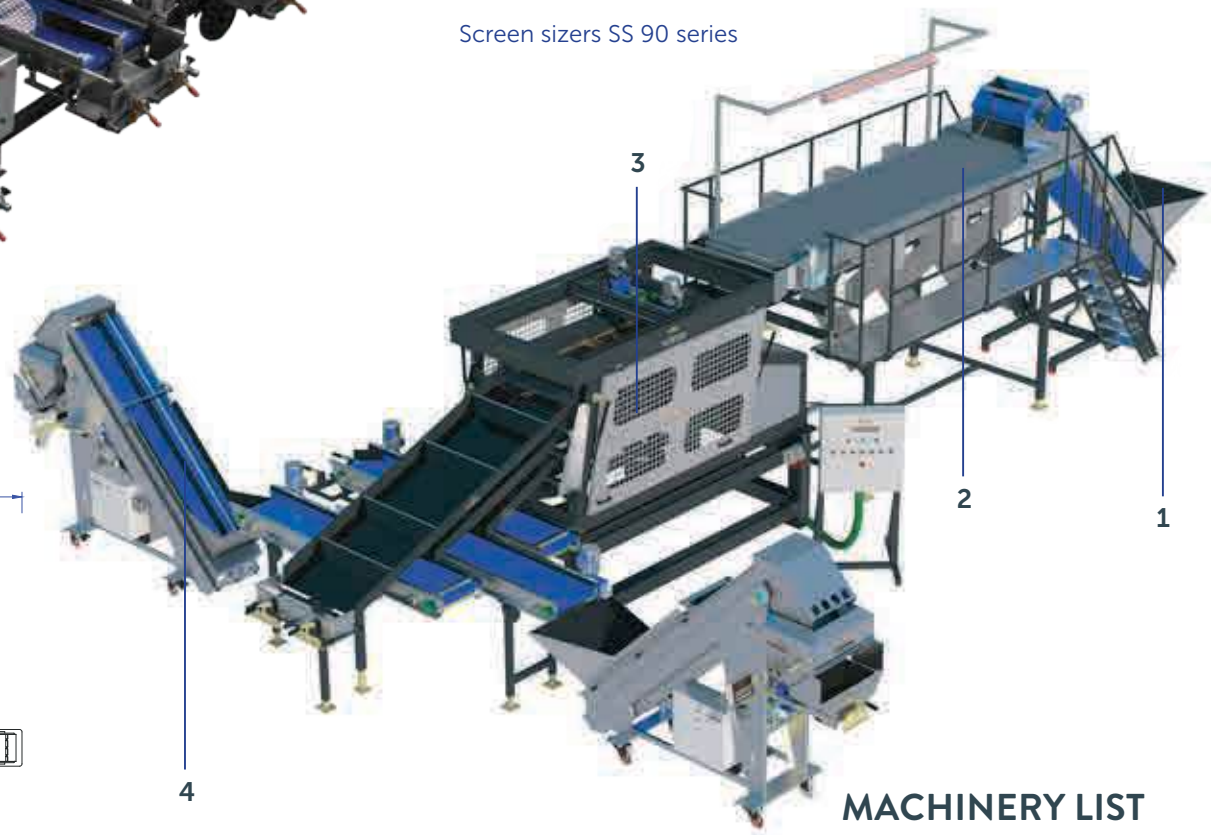
All capacities are indications based on experience from the past and depend on the agro climatic, soil and logistic conditions of the product, Allround VP does not guarantee any of these.



Screen sizers SS 90 series



Shake grading line SG 80 (2)



MACHINERY LIST

1. Elevator EL 400-60
2. Roller inspection table RI 100-400
3. Shake grader SG 80-4
4. Automatic weighing AW 50-2

HYDROCOOLER

Hydrocoolers cool down carrots fast by spraying ice cold water over the produce to mostly 3-4 degrees Celsius right before the product is cold stored or transported.

Which machine you will need completely depends on the temperature gap and required capacity per hour. The formula is as follows:

$$(\Delta T/^{\circ}\text{C} \times \text{tons product/hour}) \times 1.36 = \text{kW}$$

FOR SPECIFIC ADVICE PLEASE CONTACT US.

For example:

Incoming temperature: 16° C

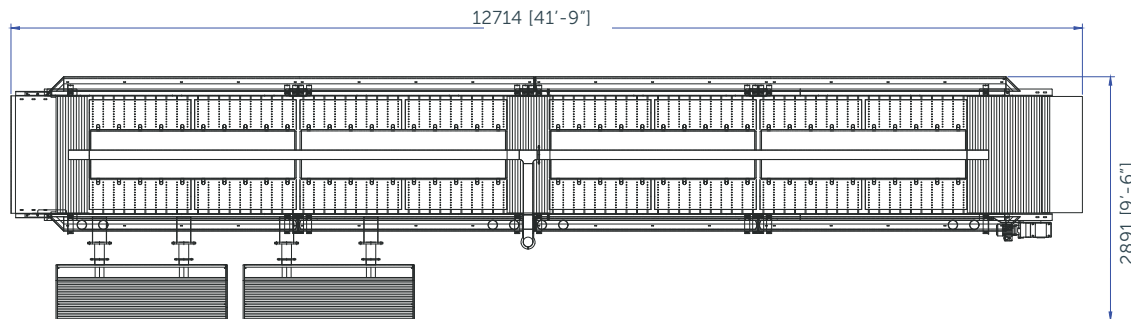
Outgoing temperature: 4° C

Tons per hour: 5 t/h

$(16^{\circ}-4^{\circ}=) 12^{\circ} \times 5 \times 1,36 = 81,6 \text{ kW}$ needed



Hydrocooler HC 300



Sieve bow

CONVEYORS

- Custom lengths
- Flat transport belts
- Incline conveyors
- Adjustable legs for various heights and angle
- Swan neck style in custom measurements
- Food grade belts
- One-piece welded belts
- Modular belts (Intralox)

Options:

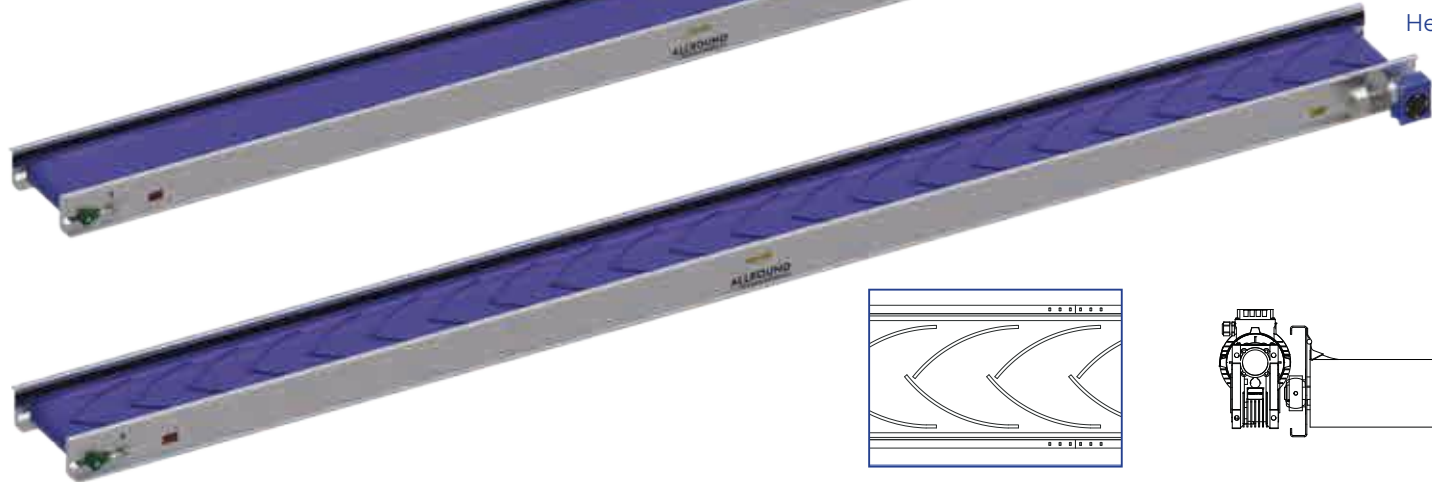
- Stainless steel
- Frequency inverter



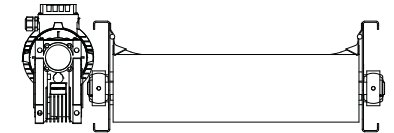
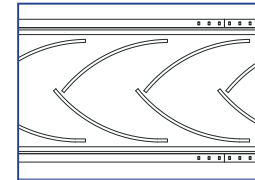
Intralox



Flat transport belt



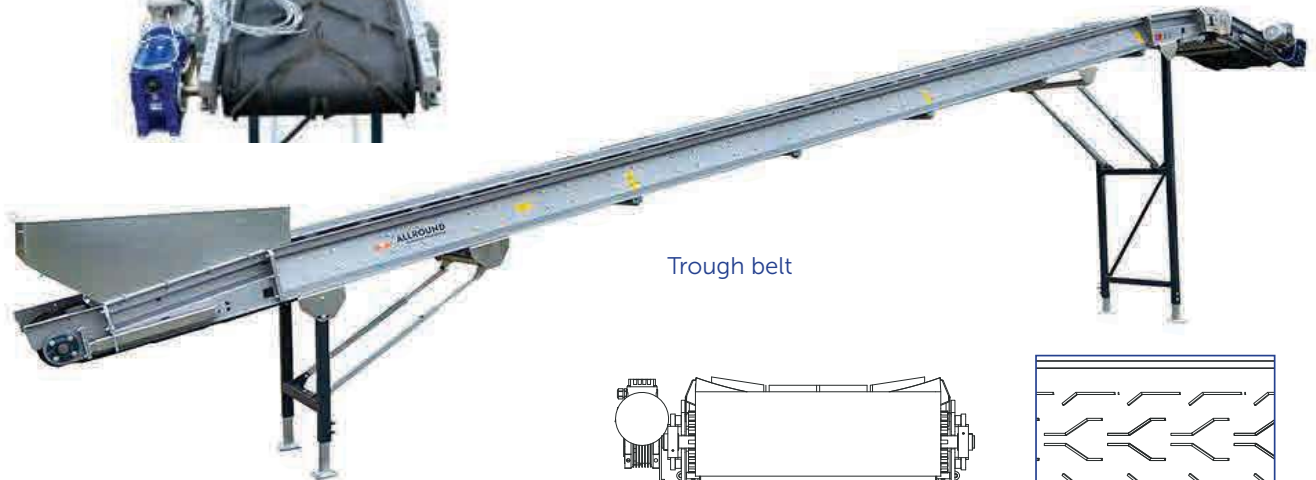
Heavy duty belt



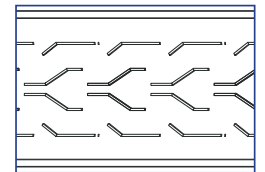
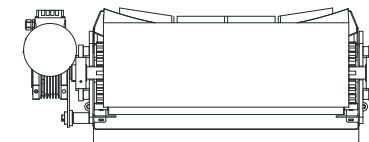
Elevator - swan neck



Elevator - straight



Trough belt



TIPPER-HOPPER, EVEN FLOW HOPPER



Also suitable for big bags

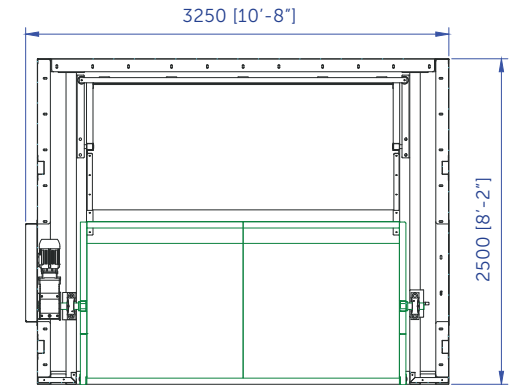
Storage hopper - Box tipper SHB 160-1.5

STORAGE HOPPER - BOX TIPPER COMBINATION

- Very space-efficient solutions to feed a line
- Suitable for potatoes, onions and red beet
- Models: SHB 160-1.5, SHB 160-3, SHB 180-3.5, SHB 180-7

Options:

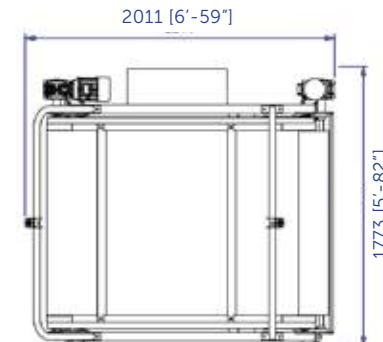
- Dust hood
- Remote control
- Stainless steel
- Big bags



Even flow hopper EF 120-0.9

EVEN FLOW HOPPER

- To ensure an even flow in the line
- With lowering belt for buffering
- Models available: EF 60-0.4, EF 80-0.6, EF 100-0.7, EF 120-0.9, EF 140-2.0, EF 160-2.5, EF 180-2.7, EF 200-3.0



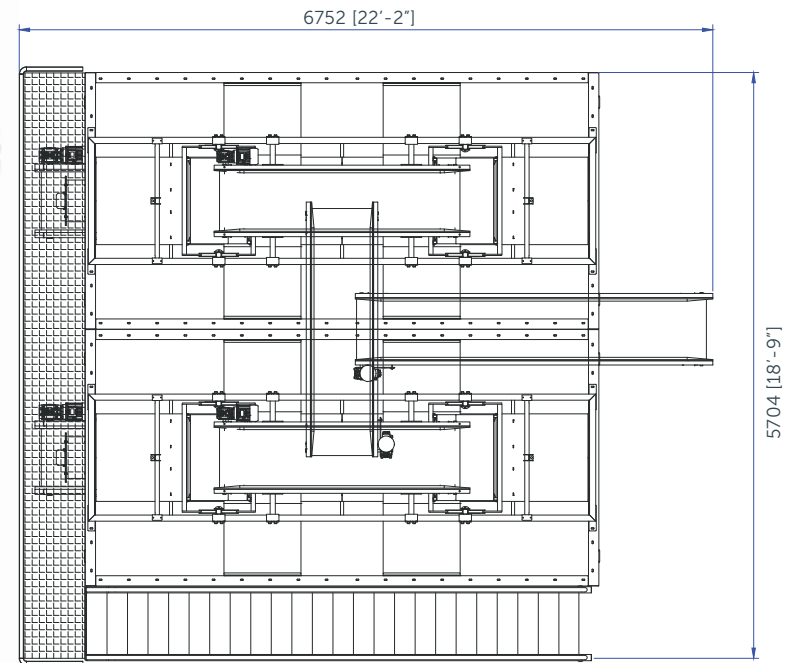


STORAGE HOPPER

- For temporary storage of product
- Suitable for potatoes, onions, carrots and red beet
- Models: SH 25-25-4, SH 25-25-10, SH 25-25-16, SH 50-25-8, SH 50-25-20, SH 50-25-32

Options:

- Ventilator
- Soft landing
- CCTV camera
- Platform

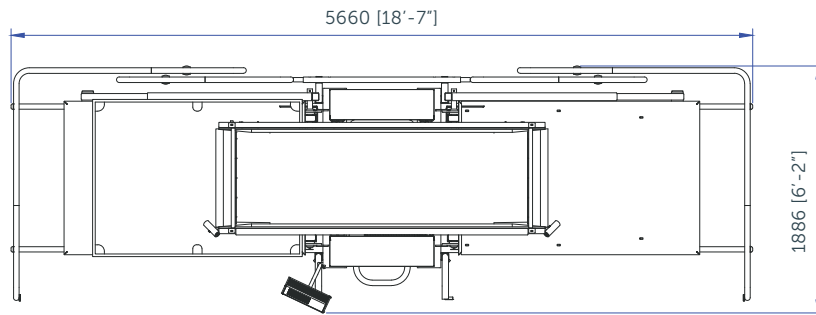


Storage hopper SH 50-25-20

HORIZONTAL BOX FILLER

- Minimum product damage
- Pre set filling programmes
- For each 'product' and size suitable

Horizontal box filler HBF 75

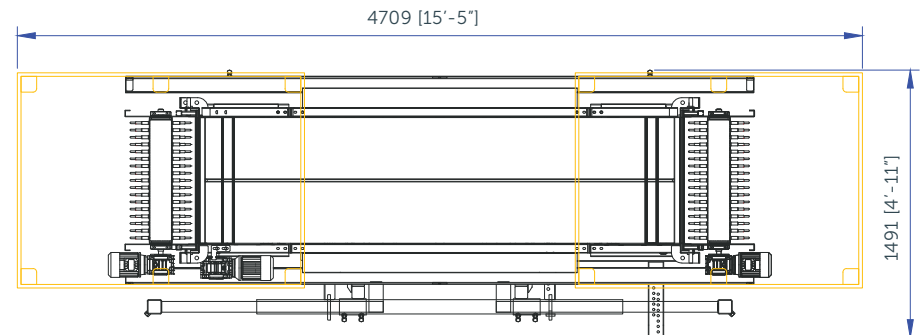


Vertical box filler VBF 70



VERTICAL BOX/BIG BAG FILLER

- Automatic box filler
- Belts lower into the box for gentle filling
- Also suitable for big-bags



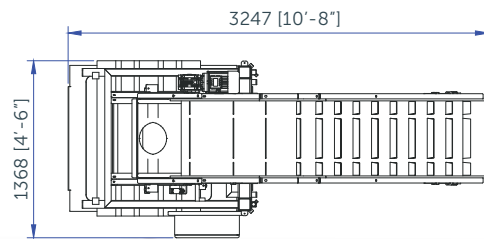
BIG BAG FILLER, WEIGHER

BIG BAG FILLER

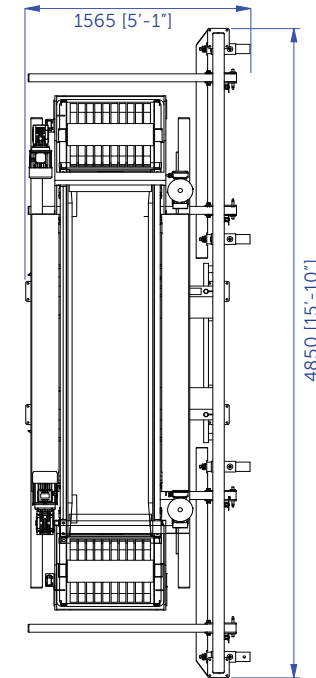
- Zig zag chutes for gentle filling
- Chutes automatically retracts from the bag
- Models available: BBF 60-01, BBF 60-02, VBBF 275-300-60, VBBF 350-300-60

Options:

- Weighing system
- Single and Double filling system



Big bag filler VBBF 275-300-60



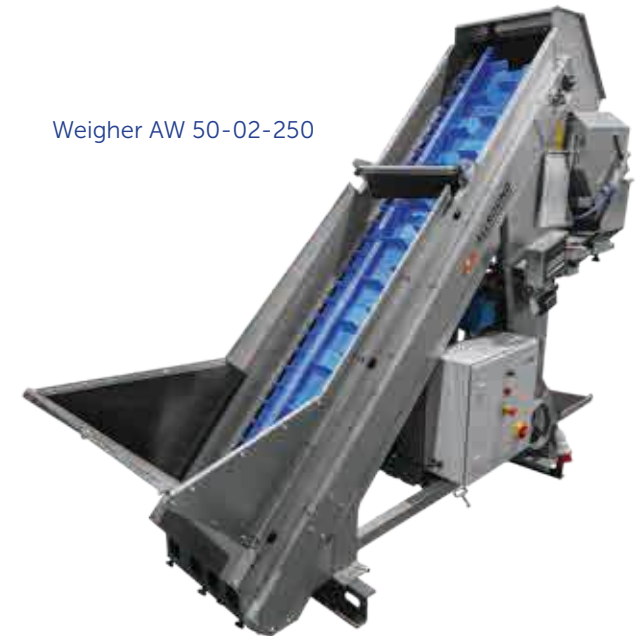
Big bag filler BBF 60-01



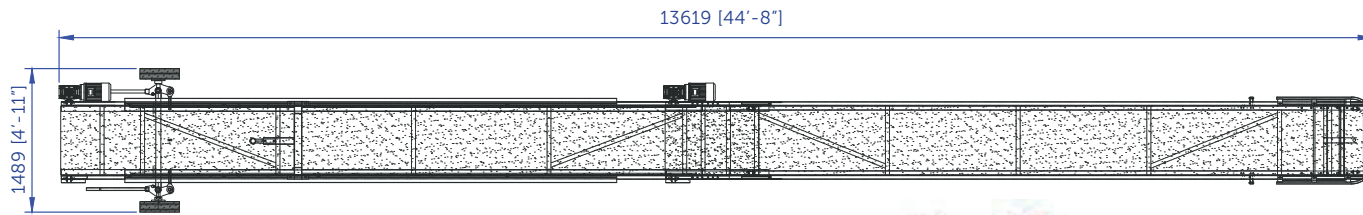
WEIGHER AW 50

- Weighing range from 5 to 50 kilograms
- With single belt for oblong products
- With double belt for round product
- Most simple solution for bag filling
- Models: AW 50-01-250, AW 50-01-350, AW 50-02-250, AW 50-02-350

Weigher AW 50-02-250



LOADING AND UNLOADING

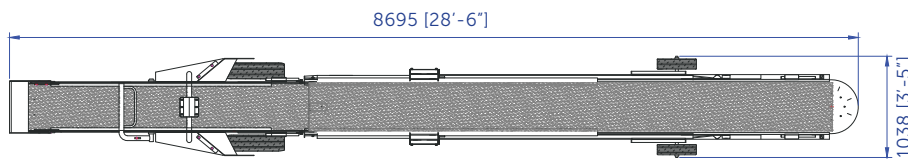


DUO TELESCOPIC CONVEYOR ATC 750

- Belt width: 800 mm
- Conveyor length: 2 x 7500 mm
- Min. length: 8000 mm
- Max. Length: 14000 mm



Duo telescopic conveyor ATC 750



Space finder AFS 950

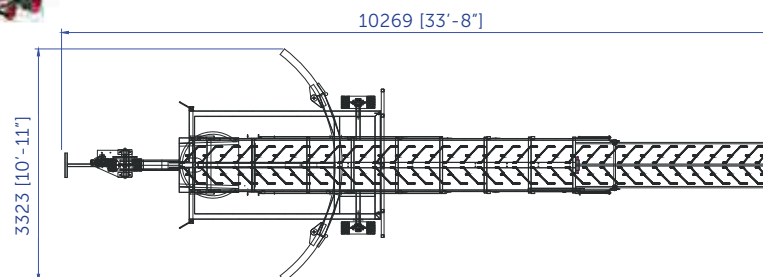
PICKUP SCOOTER APS 250

- Belt width: 500 mm
- Min. length: 6900 mm
- Max. length: 9100 mm



Pickup scooter APS 250

Duo telescopic conveyor ATC 750



SPACE FINDER ASF 950

- Belt width: 600 mm
- Max. length: 9500 mm
- Min. Length: 6350 mm
- Swinging reach: 13000 mm
- Max. discharge height: 5400 mm



BOX FILLER – BOX 3000

- Destined for the whole of boxes currently used
- Integration at the end of packaging line
- Ranges 0-5 kg
- Easy touch-screen control
- Remote control system
- Program storage



Box filler – Box 3000

CHECK WEIGHER

- For all kinds of lines and conveyors
- Continuous control of packaging weight
- Weighing ranges until 5 kg
- Ejection system for wrong weights
- Touchscreen control on the switch cabinet or with remote control
- Setting storage
- Possibility to export Data



Check weigher

CRATES FILLERS

- For plastic and net bags
- Destined for the whole of crates currently used
- Integration at the end of packaging line
- It aligns and shapes quickly products
- Ranges 0-5 kg
- Easy touch-screen control
- Program storage
- Remote control system



Crate filler – RP 5000

STORAGE SOLUTIONS

BULK STORAGE



The most effective and economical way of storage
Products to be stored: Industrial potatoes, table potatoes, onions, red beets, etc.

BOX STORAGE



The most flexible way of storage
Products to be stored: Potatoes, onions, cabbage, carrot, red beets, etc.



ALLROUND
VEGETABLE PROCESSING

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