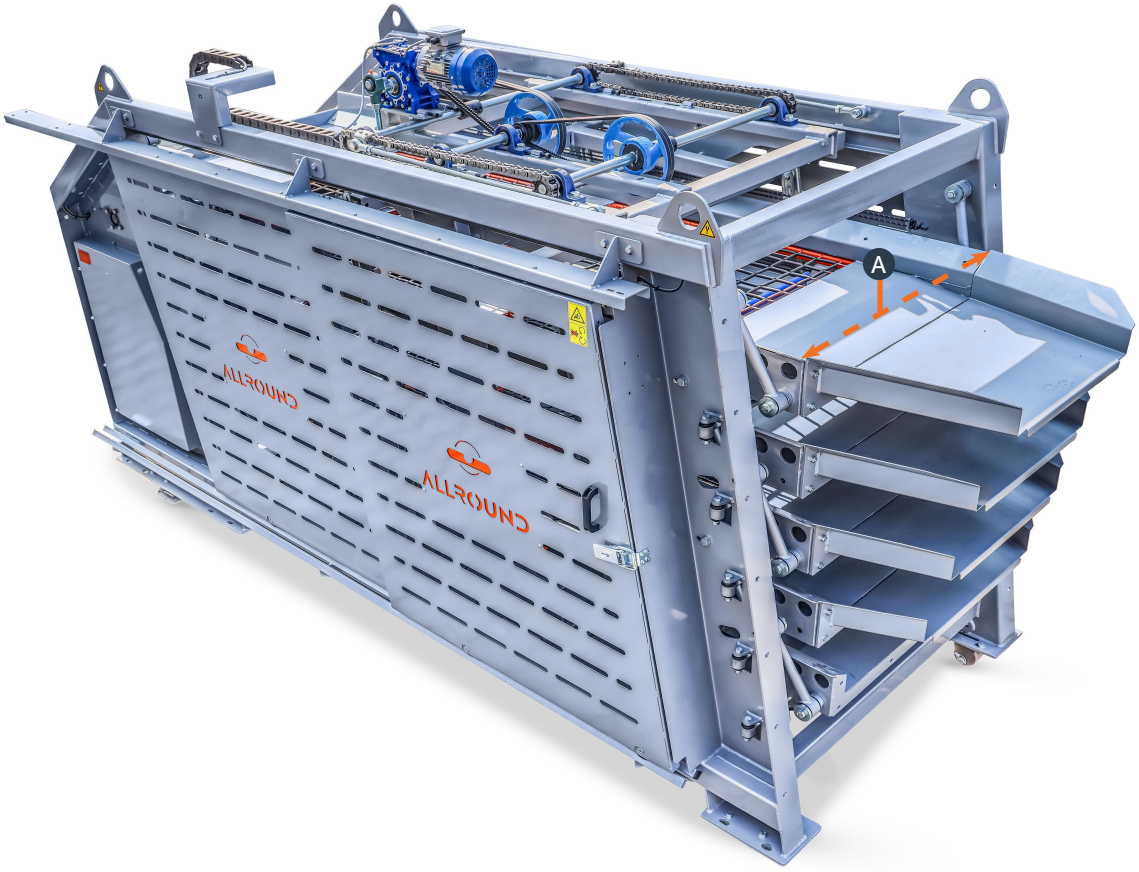
SHAKE GRADER SG

The Allround Shake grader is designed to grade produce according to the square size with four-dimensional grading.



General description

The Allround Shake grader is designed to grade produce according to the square size with four-dimensional grading. The produce is fed to the top of the machine onto the top sieve. The sieves in the machine shake in sequential frequencies, which causes the produce to move along on the sieves. The movements of the sieves are caused by the motor on the front side of the machine. This motor drives a crankshaft. The crankshaft causes the shaking of the sieves. The motor of the machine has a computer controlled frequency inverter, which causes the sieves to shake in several sequential frequencies.

All dimensions in cm

		SG 60	SG 80	SG 120	SG 160
A	Width of the sieves	60	80	120	160
B	Amount of sieve decks	3, 4	3, 4, 5	3, 4, 5	3, 4, 5

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.

Characteristics

- ✓ Grade produce according to the square size with four-dimensional grading
- ✓ Chutes are included
- ✓ Sieves will be offered separately
- ✓ The sieves in the machine shake in sequential frequencies
- ✓ The frame can be made from painted mild steel or galvanized steel. But the bearings and drive/idle rollers are always made from mild steel
- ✓ The sieves can be changed on the left side/right side of the machine (produce perspective)

Options:

- **Material and treatment (frame)**
  - Painted mild steel — Frame is made from painted mild steel. The bearings and drive/idle rollers are from mild steel. The doors are made from painted mild steel
  - Stainless steel — Frame is made from galvanized steel. The bearings and drive/idle rollers are from mild steel. The doors are made from stainless steel AISI304
- **Sieve changing side**
  - Left — The sieves can be changed on the left side of the machine (produce perspective)
  - Right — The sieves can be changed on the right side of the machine (produce perspective)
- **Doors**
  - Doors — Doors are included on the sides of the machine
- **Electrical control**
  - No electric — Motors and necessary sensors
  - Stand-alone — Motors, necessary sensors and control panel with HMI. The length of the cable is 5, 10, 15 or 20 meter
  - Central control in line — Motors and necessary sensors
- **Material and treatment (electrical panel)**
  - Painted mild steel — The electrical panel is made from painted mild steel
  - Stainless steel — The electrical panel is made from stainless steel AISI304
- **Material and treatment (subframe)**
  - Painted mild steel — It is made of Painted mild steel
  - Galvanized steel — It is made of galvanized mild steel
- **Height of subframe**
  - Height of subframe 0 – 7 meters

Options:

- **Product collection – chute set**

Chute set	Chutes are included

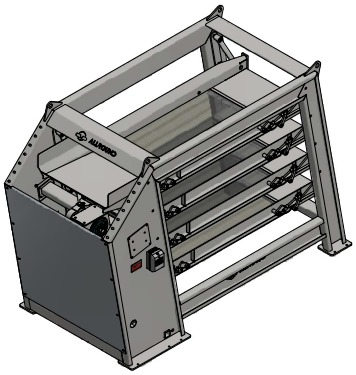
- **Cleaning – double sieve cleaner**

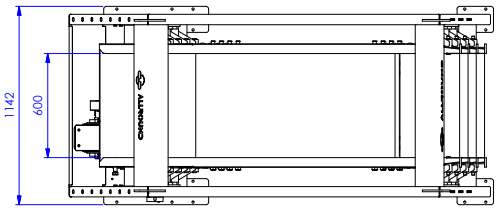
Double sieve cleaner	A double sieve cleaner is included

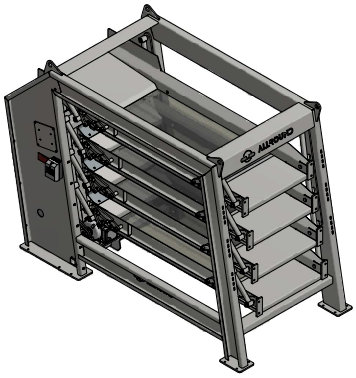
- **Bag holder**

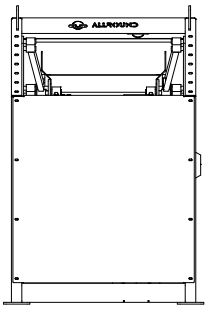
Bag holder	A bag holder is included to fill the bags

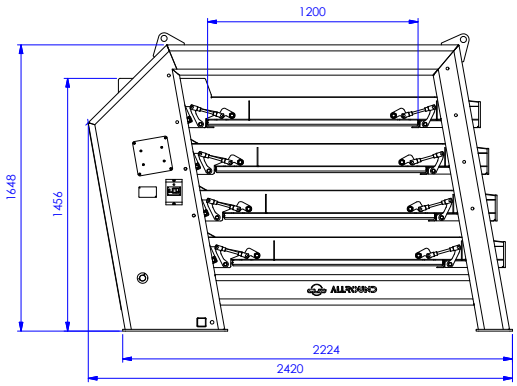
SG 60

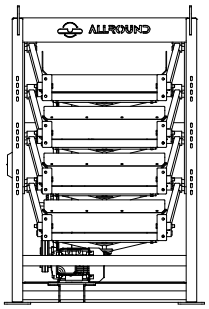












For discussion only!
The dimensions are approximately.
We are free to resize and change the machines, when we deem it necessary.

Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286		Geometrical tolerancing: ISO 1101
Project: Shake grader - -				
Description: SG 60-4				
Surface:				
ALLROUND VEGETABLE PROCESSING	Engineer: SRPL	Scale: 1 : 20	00036408	Revision: 01
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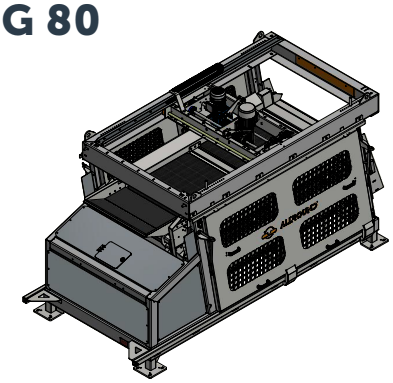
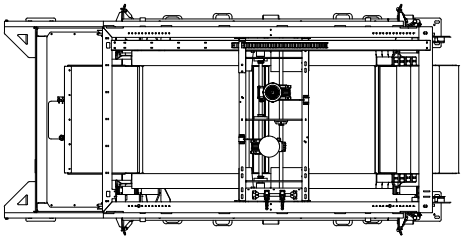
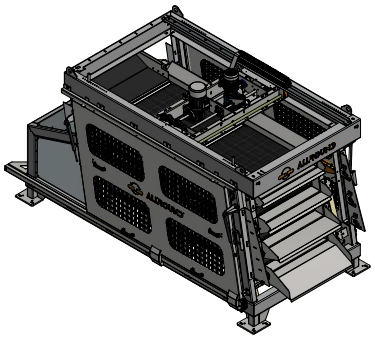
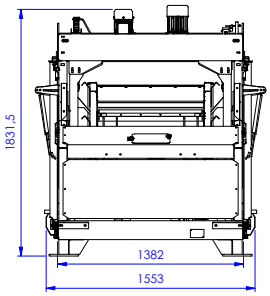
		Unit: mm	Sheet: 1 of 2	

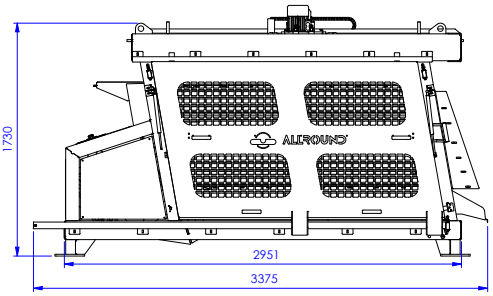
SG 80

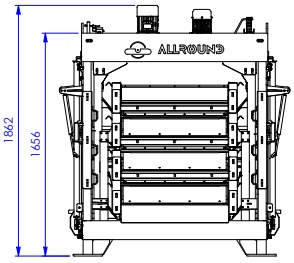












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Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286		Geometrical tolerancing: ISO 1101
Project: Shake Grader - -				
Description: SG 80-4				
Surface: - - -				
ALLROUND VEGETABLE PROCESSING	Engineer: Rajat	Scale: 1 : 26	00075869	Revision: 00
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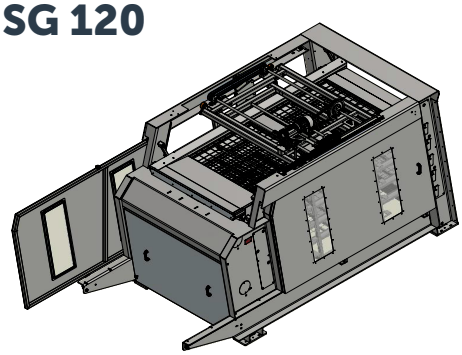
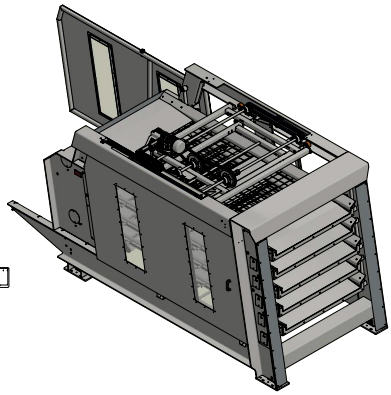
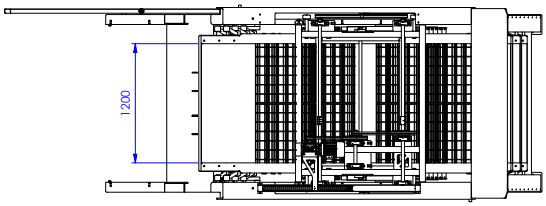
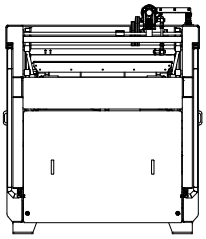
		Unit: mm	Sheet: 1 of 4	

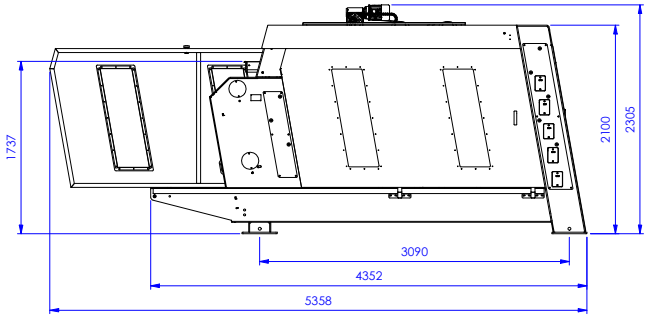
SG 120

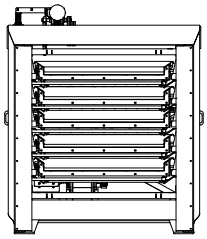












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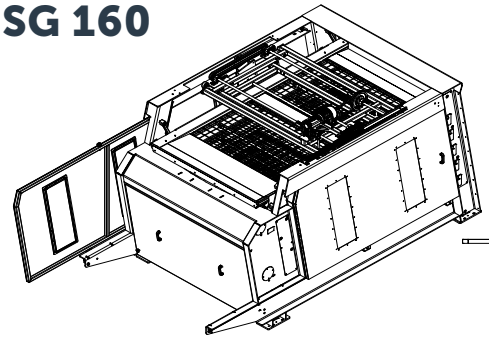
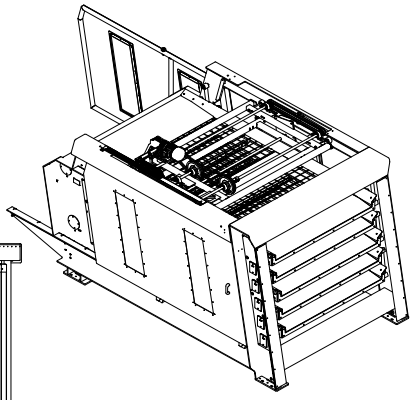
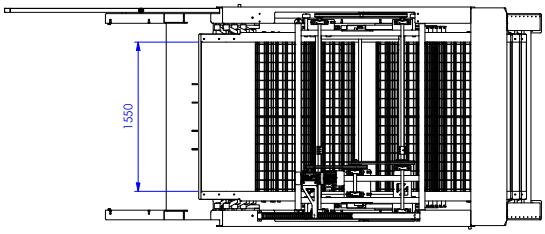
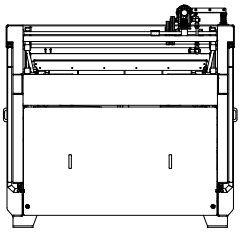
Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101
Project: Shake grader - -			
Description: SG 120-5			
Surface: – – –			
Engineer: SRPL	Scale: 1 : 35	00080360	Revision: 01
Date: 25-01-2021	Sheet size: A3		
	Unit: mm	Sheet: 1 of 6	

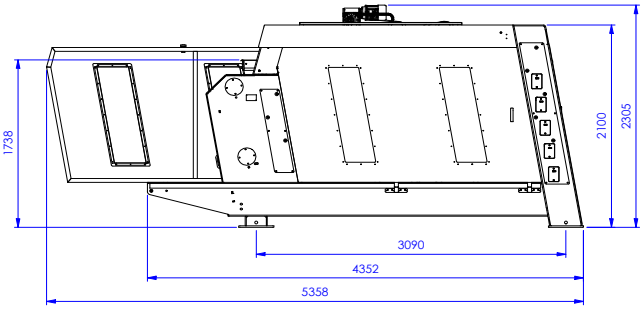
SG 160

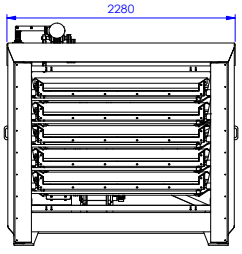












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Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101
Project: Shake grader - -			
Description: SG 160-5			
Surface: – – –			
Engineer: SRPL	Scale: 1 : 35	00111599	Revision: 00
Date: 09-04-2021	Sheet size: A3		
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