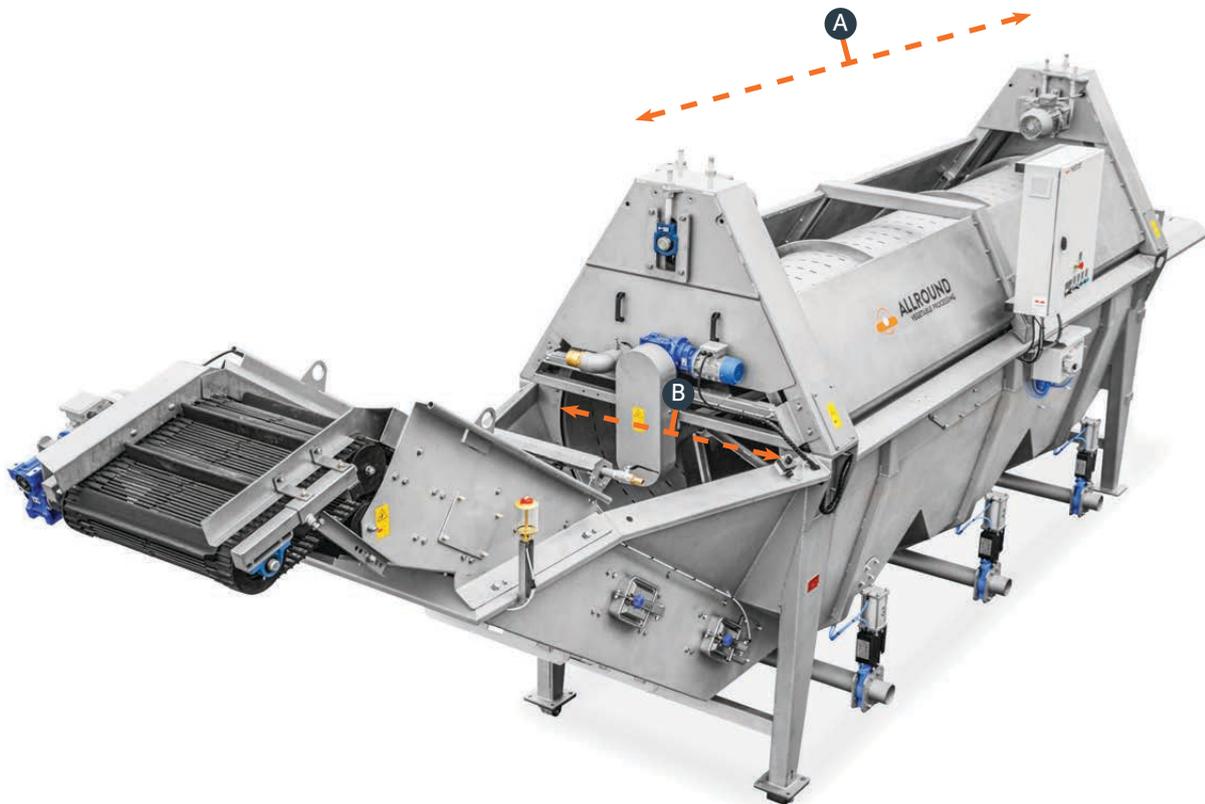


## WASHING MACHINE U

The vegetable washing machine is designed to clean produce by removing dirt from it.



### General description

The vegetable washing machine is designed to clean produce by removing dirt from it.

In a washing machine of the U type, produce can be partially or fully submerged in water during washing. The produce enters the machine via an infeed chute with a water inlet to prevent the sticking of clay and soil. As the drum rotates, vegetables rub against each other and the drum for a gentle clean. Cleats inside the drum maximize washing performance.

The drum of the washing machine plays a very important role in cleaning produce. The choice of a drum depends on the crop and soil condition. The washing machine U type is available with different drum options to choose from. Various cleat options inside the drum are available to provide suitable agitation and movement of produce inside the drum.

In washing machines U type, the flow of produce is controlled by a valve, which can be operated manually or automatically.

Soil and debris collect in the basin underneath the rotating drum. Drain valves regularly to clear debris build-up. Spray tubes can be fitted to rinse the inside of the drum.

The outfeed produce conveyor discharges the produce from the machine at a suitable height and it provides gentle handling. The height of the subframe can vary from 0-3 meters.

All dimensions in cm

		U 170	U 300	U 450	U 500	U 600
A	Length of the drum	170	300	450	500	600
B	Diameter of the drum	80	100, 120	120	160	190

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

- ✓ Removable side panels – Easy to access internal parts
- ✓ Variable speed-controlled drum – Speed adjustment to control washing intensity
- ✓ Manual or automatic outfeed drum valve
- ✓ Drum stabilizer and alignment rollers
- ✓ Round and octagon shapes of drums are available to choose from
- ✓ Construction of the drum can be U-profile or perforated
- ✓ Straight or curved agitation cleats inside the drum provide good agitation and control movement product inside the drum
- ✓ Inspection hatches for quick, easy cleaning and maintenance
- ✓ Water management can be with manual or automatic valves with valves and level meters
- ✓ Spray tube on outfeed produce conveyor to spray fresh water
- ✓ Easily accessible drive system and positioned out of water

## 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
- Stainless steel      Frame is made from stainless steel AISI304. The bearings and drive/idle rollers are from mild steel
- Painted galvanized mild steel      Frame is made from thermal zinc sprayed and painted mild steel. The bearings and drive/idle rollers are from mild steel

### ■ Material and treatment (plating)

- Zinc plated steel      The plating is made from zinc plated steel
- Stainless steel      The plating is made from stainless steel AISI304

### ■ Drum shape

- Round      The drum is round shaped
- Octagon      The drum is octagon shaped

### ■ Drum

- U-profile gap 10mm      The drum is made of u-profile material and the gaps are 10 mm
- Perforated plate round 12mm      The drum is made of perforated plate with rounds 12 mm
- Perforated plate slot 12x40mm      The drum is made of perforated plate with slots 12 x 40 mm

### ■ Material and treatment (cleats)

- Rubber      The cleats are made of rubber

### ■ Cleats

- Straight      The cleats are straight shaped
- Turned      The cleats are shaped turned

**Options:**
**■ Material and treatment (product conveyor)**

Mild steel	The product conveyor is made from mild steel, covered with rubber. The cleats height is 50 mm. The gap size is 5 mm
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Stainless steel	The product conveyor is made from stainless steel AISI304, covered with rubber. The cleats height is 50 mm. The gap size is 5 mm
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**■ Electrical control**

No electric	Motors and necessary sensors
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Stand-alone	Motors, necessary sensors and control panel. The length of the cable is 5, 10, 15 or 20 meter
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Central control in line	Motors and necessary sensors
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**■ Material and treatment (electrical panel)**

Painted mild steel	The electrical panel is made from painted mild steel
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Stainless steel	The electrical panel is made from stainless steel AISI304
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**■ Water management**

Manual	The valves can be operated manually. The water level must be regulated manually
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Automatic	The valves are operated automatically. The water level is regulated automatically
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**■ Cleaning**

Spray tube product conveyor	A spray tube is included to clean the produce
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**■ Adjustment drum valve**

Manual	The outlet valve can be adjusted manually
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Automatic	The outlet valve can be adjusted automatically
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**■ Material and treatment (subframe)**

Painted mild steel	It is made from painted mild steel
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Stainless steel	It is made from stainless steel AISI304
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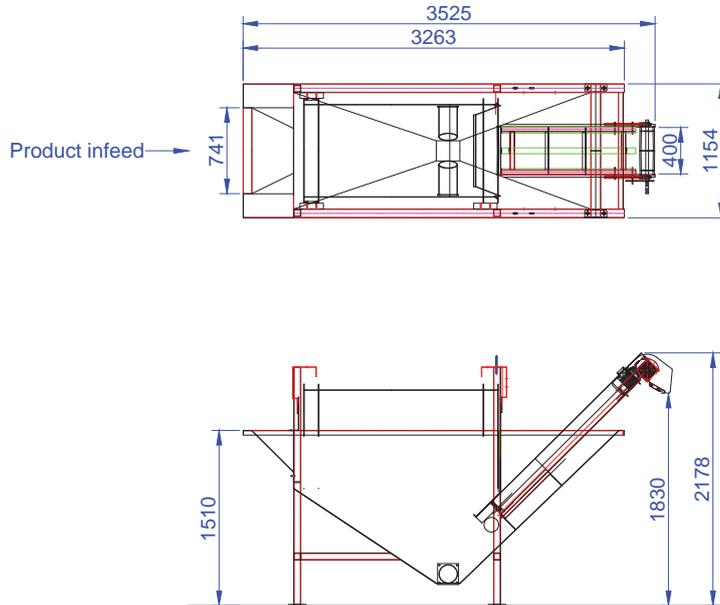
Galvanized steel	It is made from galvanized steel
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**■ Height of subframe**

Height of subframe	0 to 3 meter
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**U 170**

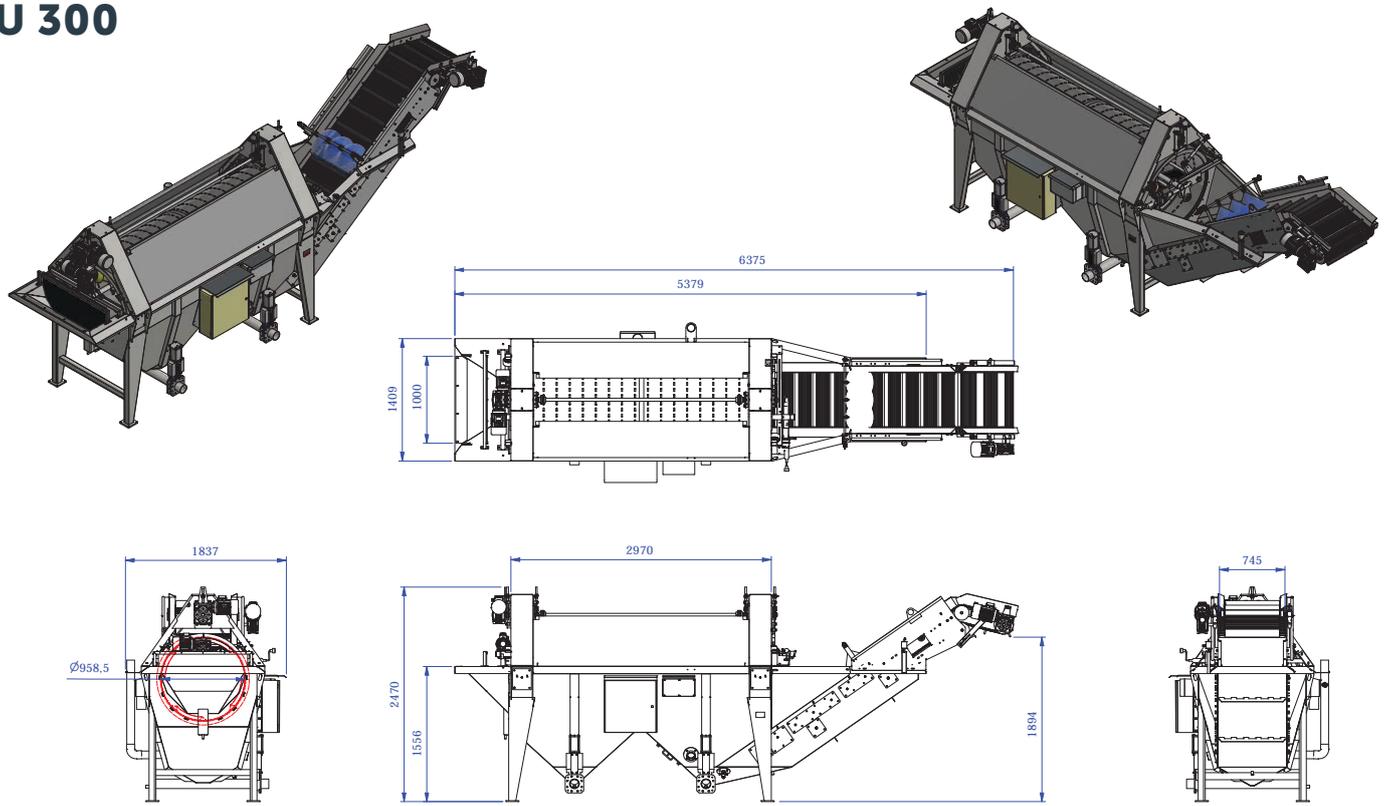
THIS SKETCH IS ONLY FOR DISCUSSION!  
FINAL LAYOUT FOR APPROVEMENT WILL BE  
SEND AFTER ORDER



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

	<b>ALLROUND</b> VEGETABLE PROCESSING			U 170
	Engineer: BD	Project: Standard	Product: PRODUCT	
	Checked by:	Drawing Nr: 01	Capacity:	
	Scale: 1:30 A3	Date: 07-2021	Box Size:	

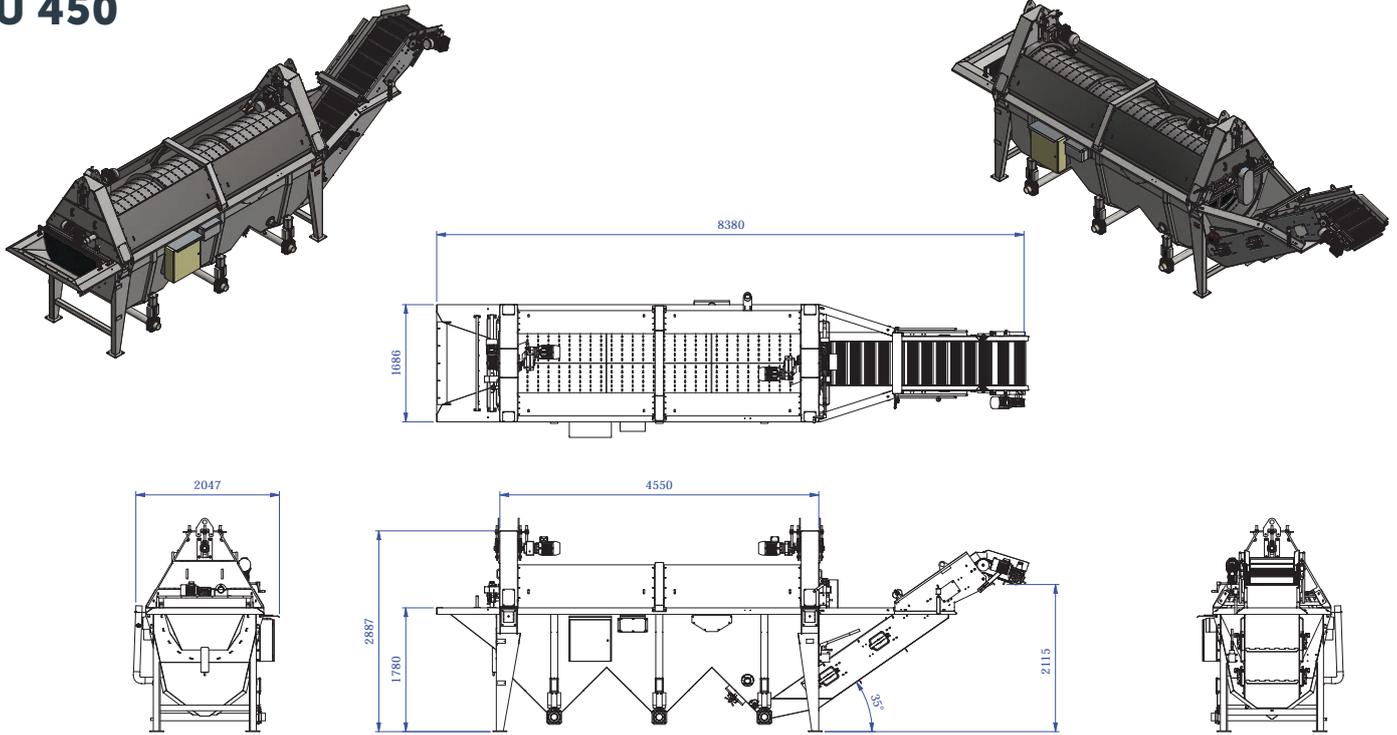
**U 300**



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

Tot partcode: RO 8015	General tokinancs: RO 20788	Fit system: RO 286	Geometrical tokinancing: RO 1101
	Project: <b>Washing machine</b> - -		
	Description: <b>U 300-100</b>		
	Surface:		
	Engineer: SRPL	Scale: 1 : 40	<b>00034603</b>
	Date: 14-06-2019	Sheet size: A3	
	Unit: mm	Sheet: 1 of 8	Revision: <b>01</b>

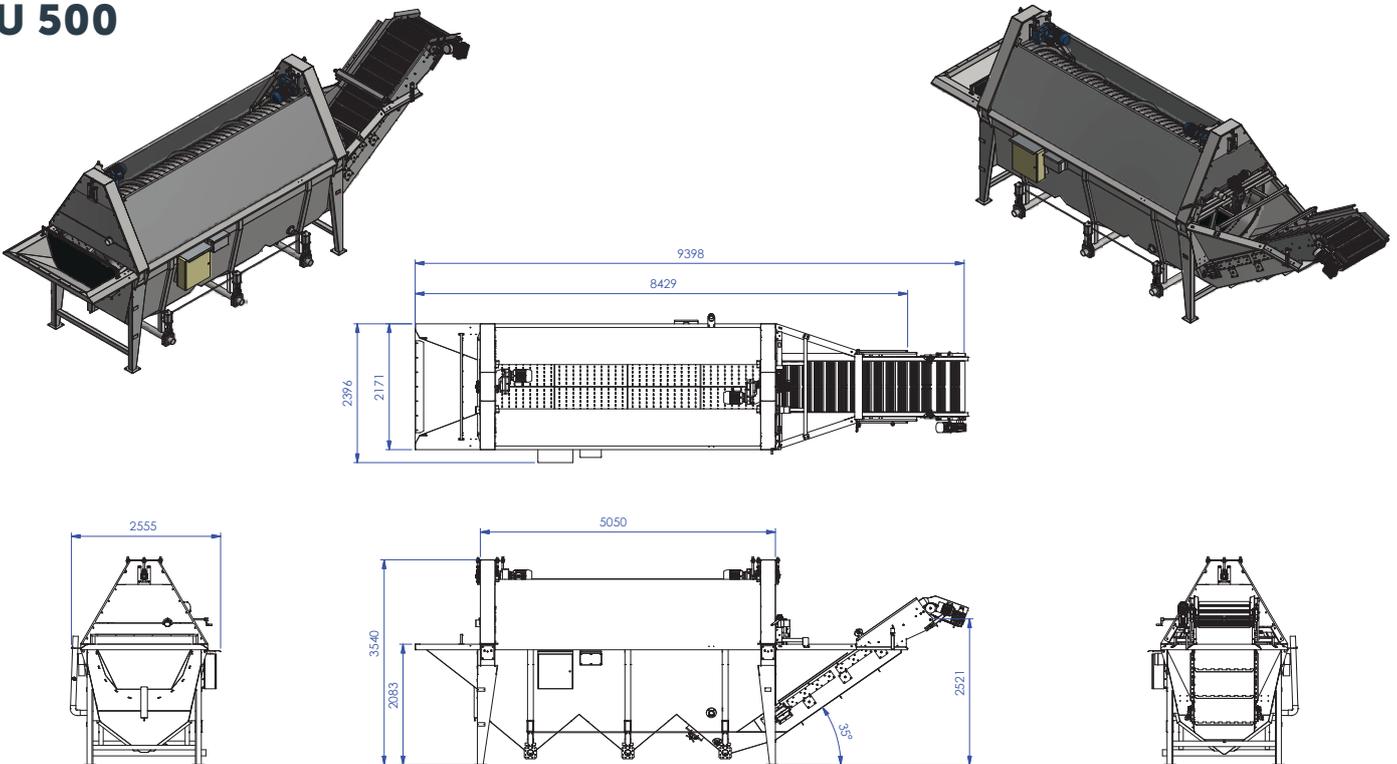
## U 450



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 20788	Fit system: ISO 286	Geometrical tolerancing: ISO 1101
Project: <b>Washing machine</b>			
Description: <b>U 450</b>			
Surface:			
Engineer: HWS	Scale: 1 : 50	<b>00015801</b>	Revision: 05
Date: 15-9-2021	Sheet size: A3	Unit: mm	Sheet: 1 of 5

## U 500



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 20788	Fit system: ISO 286	Geometrical tolerancing: ISO 1101
Project: <b>Washing machine</b>			
Description: <b>U 500</b>			
Surface:			
Engineer: HWS	Scale: 1 : 50	<b>00031729</b>	Revision: 03
Date: 14-6-2019	Sheet size: A3	Unit: mm	Sheet: 1 of 3