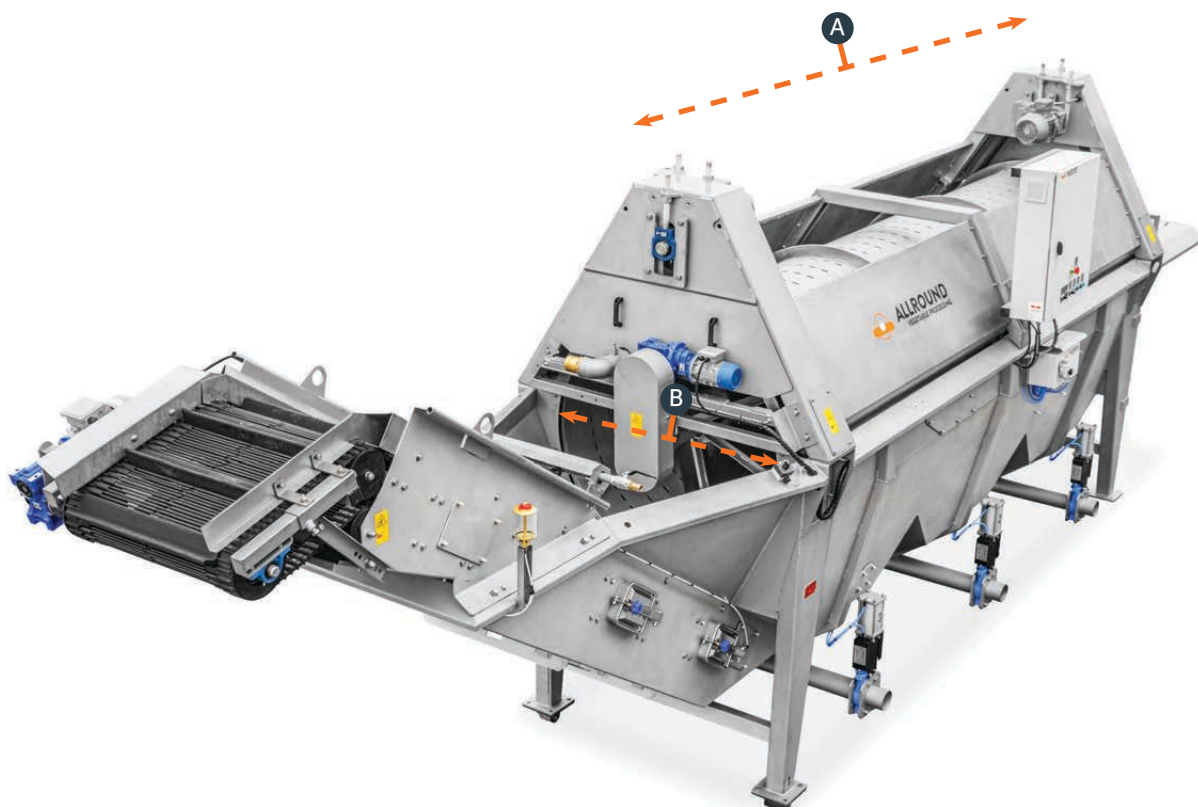


WASHING MACHINE U

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
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

■ Electrical control

No electric	Motors and necessary sensors
Stand-alone	Motors, necessary sensors and control panel. 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

■ Water management

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

■ 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
Automatic	The outlet valve can be adjusted automatically

■ Material and treatment (subframe)

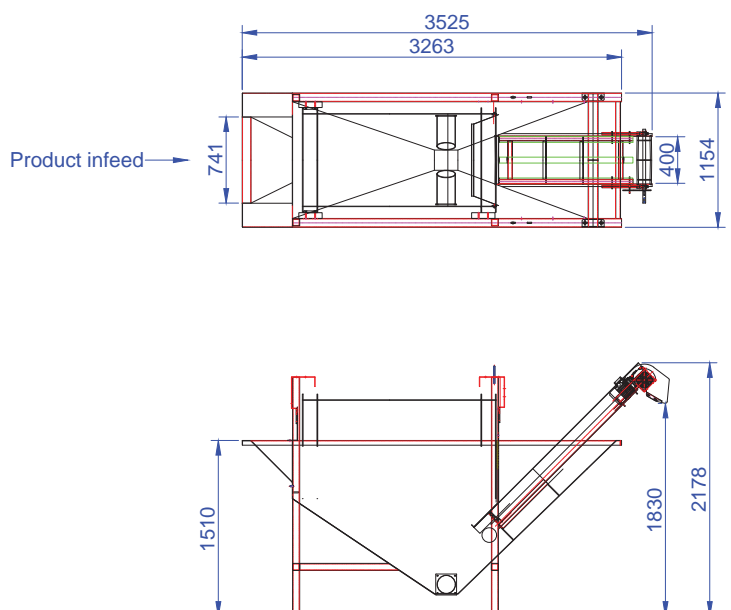
Painted mild steel	It is made from painted mild steel
Stainless steel	It is made from stainless steel AISI304
Galvanized steel	It is made from galvanized steel

■ Height of subframe

Height of subframe	0 to 3 meter
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U 170

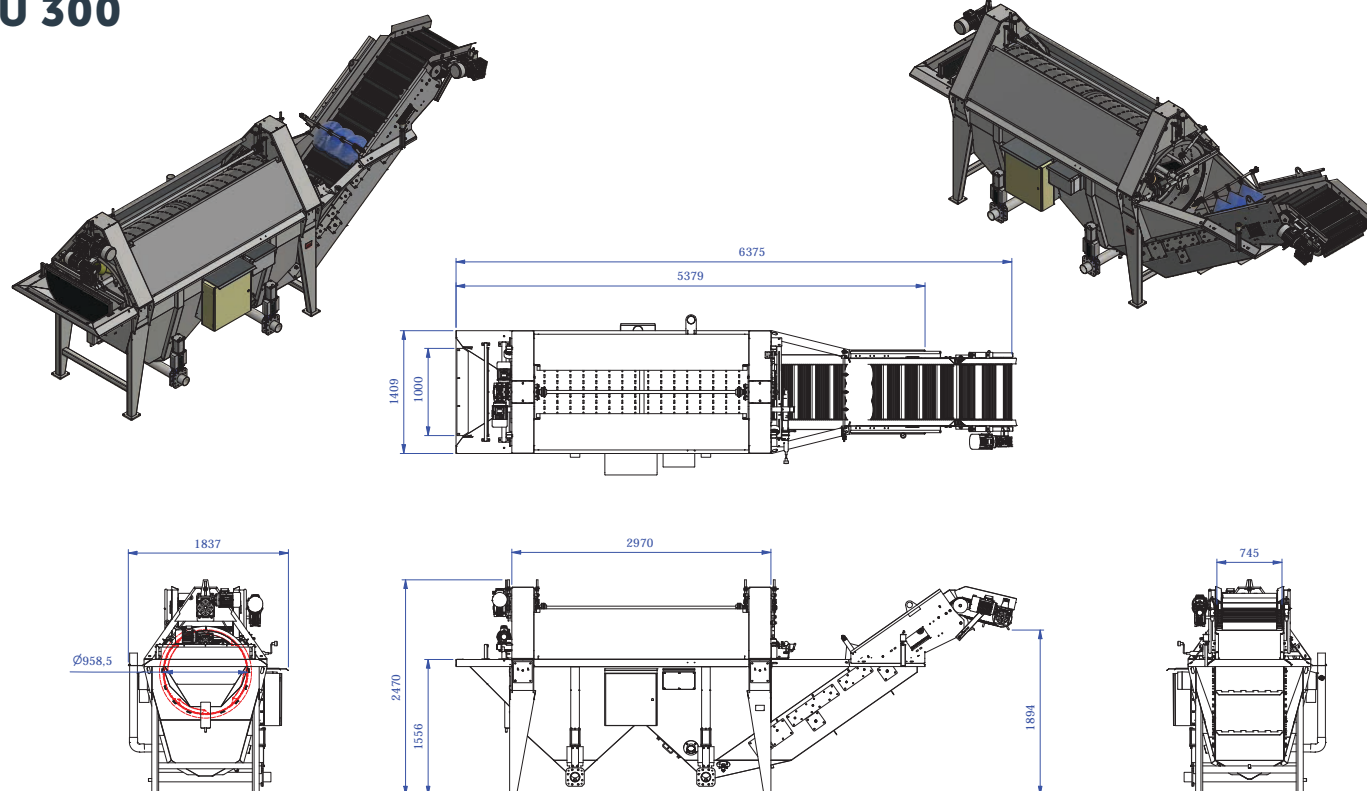
THIS SKETCH IS ONLY FOR DISCUSSION!
FINAL LAYOUT FOR APPROVEMENT WILL BE
SEND AFTER ORDER



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

ALLROUND 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:	

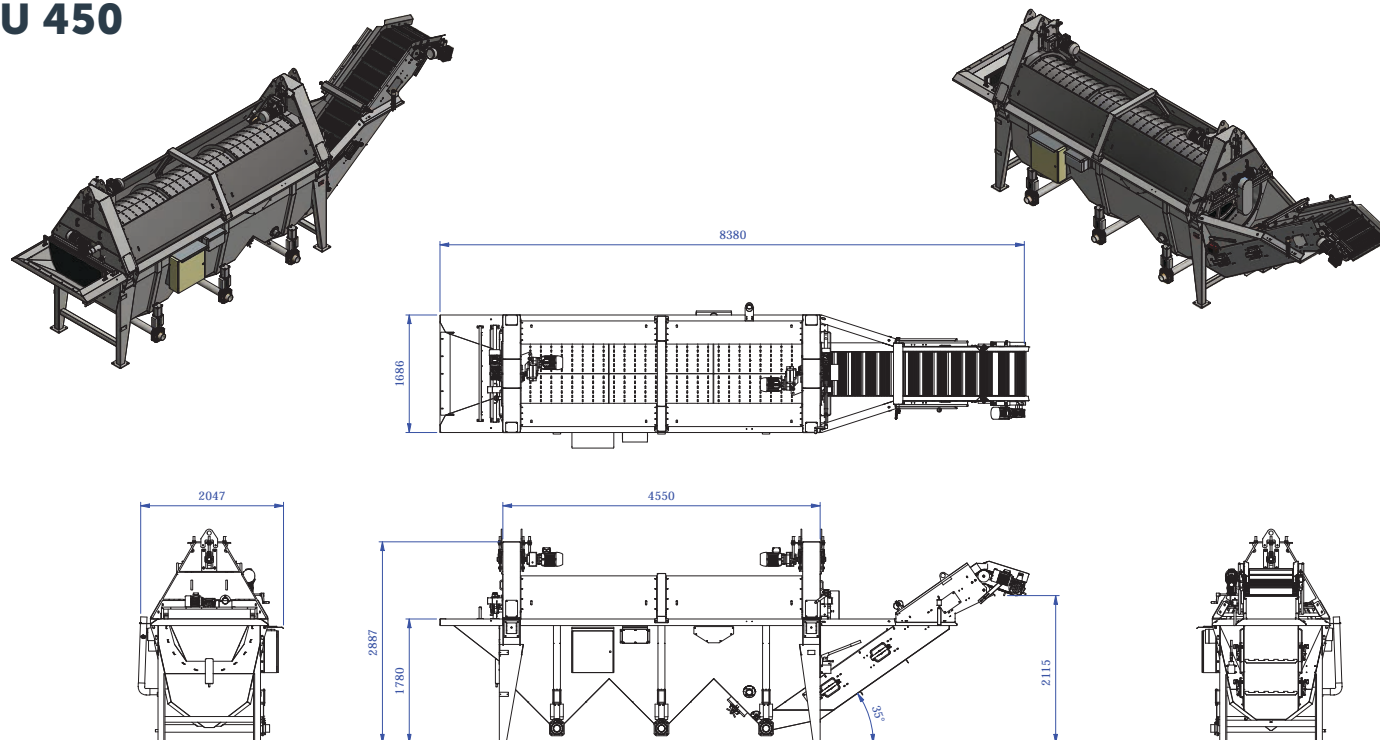
U 300







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

Project: Washing machine		Description: U 300-100	
Engineer: SRPL		Scale: 1:40	
Date: 14-06-2019		Sheet size: A3	
Unit: mm		00034603	
		Revision: 01	

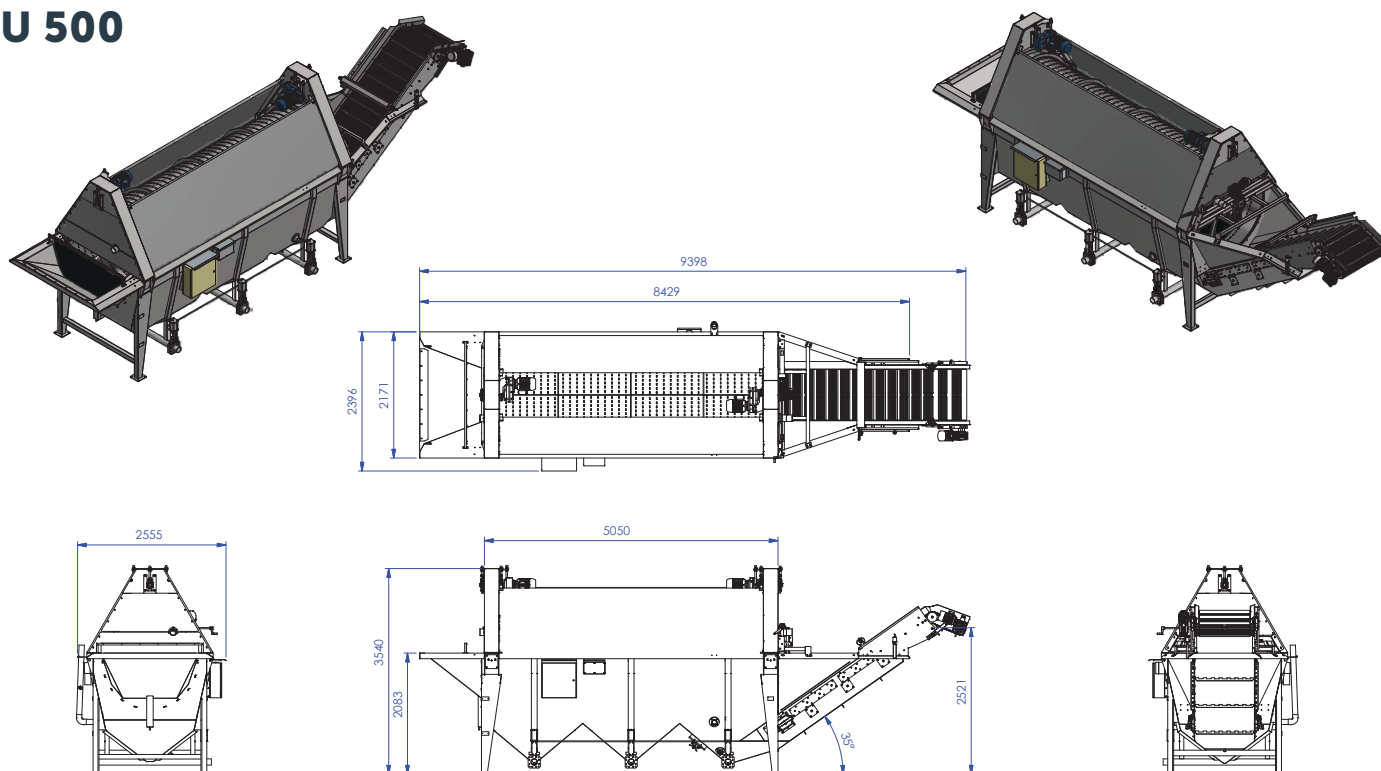
U 450





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

Tot principle: BO 8015		General tolerances: BO 20788		Fit system: BO 286		Geometrical tolerancing: BO 1101			
		Project: Washing machine - -							
		Description: U 450							
		Surface:							
 ALLROUND <small>technical information</small>		Engineer: HWS		Scale: 1 : 50		00015801		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.

Tot principle: BO 8015		General tolerances: GO 20748		Fit system: GO 284		Geometrical tolerancing: GO 110		
		Project: Washing machine - -						
		Description: U 500						
		Surface:						
		Engineer: HWS		Scale: 1 : 40		00031729		Revision: 03
ALLROUND VIRTUALLY PROCEEDING		Date: 14-6-2019		Sheet size: A3				
		Unit: mm		Sheet: 1 of 3				