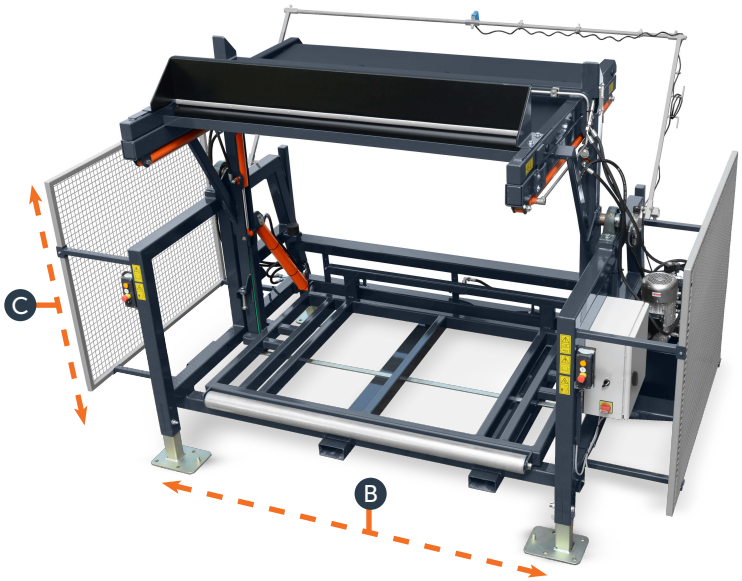
BOX TIPPER ZD

This box tipper is designed to gently tip filled boxes into either a wet/dry hopper or a transport conveyor, depending on the design of your line.



General description

This box tipper is designed for a gentle handling of produce. With this box tipping system, the drop height will be limited. This means that it exposes the produce to less risk of being damaged by a drop.

The box tipper is used to tip boxes. After the box is placed, the box rotates to a position under an angle of 135°. Then, the box moves diagonally upwards. While the box is moving up, it is emptied.

On demand, a sensor can be installed to detect and control the produce output. This sensor sends a signal to start or stop the rotation of the box.

On demand, the box tipper can be provided with safety fences, sirens & warning lights to enhance safety.

All dimensions in cm

		ZD 120	ZD 150	ZD 160	ZD 180
A	Rotation angle (max in deg)	135	135	135	135
B	Width of the box (min - max)	100-120	140-150	150-160	170-180
C	Height of the box (min - max)	90-100	90-100	100-125	100-125
D	Depth of the box (min - max)	100-120	100-120	100-120	100-120
E	Weight of the box (max in kg)	1000	1250	1500	1700

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

- ✓ We have models available for 1200, 1500, 1600 & 1800 mm wide boxes
- ✓ Designed for a gentle handling of produce
- ✓ Durable and robust construction to handle heavy loads & forklift impacts
- ✓ A rubber lid to protect produce against damage during the tipping cycle
- ✓ Tipping rotation to 135° ensures complete discharge of produce
- ✓ The maximum weight of the box varies from 1000 to 1700 kg
- ✓ On demand, a subframe can be made to overcome a height difference
- ✓ On demand, a sensor can be installed to detect and control the produce output
- ✓ On demand, safety fences, a siren & warning lights can be provided to enhance safety

Options:

- **Material and treatment (frame)**

Painted mild steel	Frame and plating is made from painted mild steel. The bearings and drive/idle rollers are from mild steel.
Hot dipped galvanized	Frame is made from hot dipped galvanized steel. The bearings and drive/idle rollers are from mild steel. The plating is from stainless steel.

- **Electrical control**

Stand-alone	Motors, necessary sensors, switch box and control box.

- **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.

- **Wireless remote control**

Wireless	A wireless remote control is included. The machine can be controlled from a distance.

- **Safety fence**

Fence	Safety fences with a sensor are included. The sensor detects if someone walks between the fences and will stop the functioning of the machine.

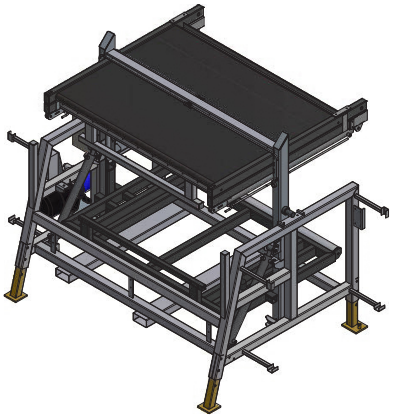
- **Frequency inverter**

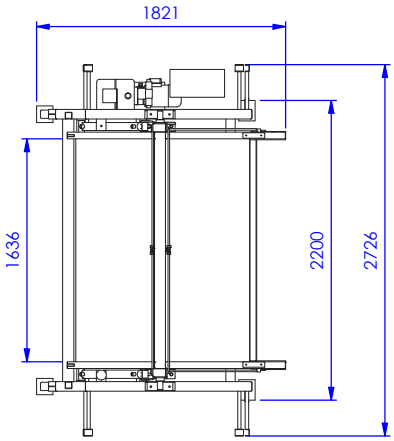
Speed adjustment	A frequency inverter will control the tipping speed of the box tipper.

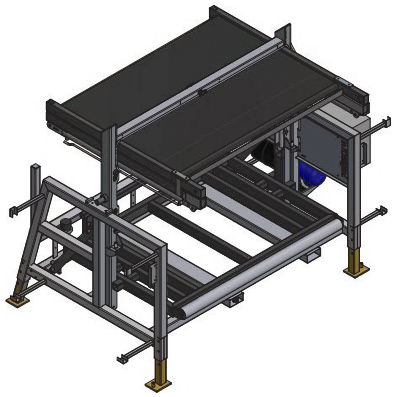
- **Dosing function**

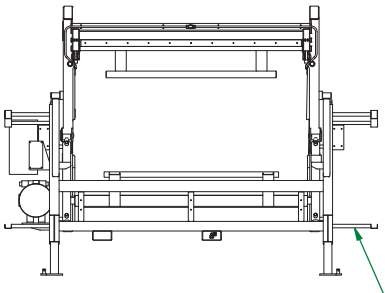
Dosing sensor	A dosing sensor detects when the produce piles up on the belt and when the box needs to be stopped or lifted

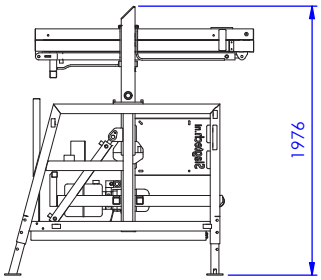
ZD 160

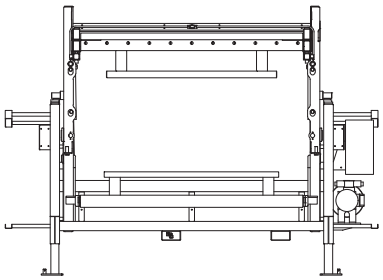








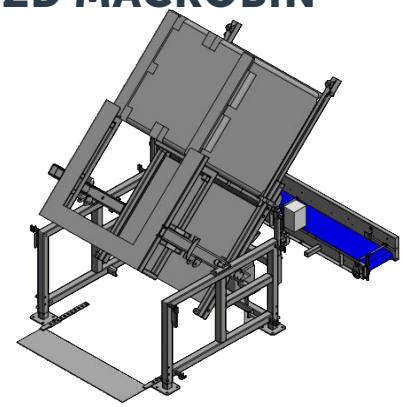


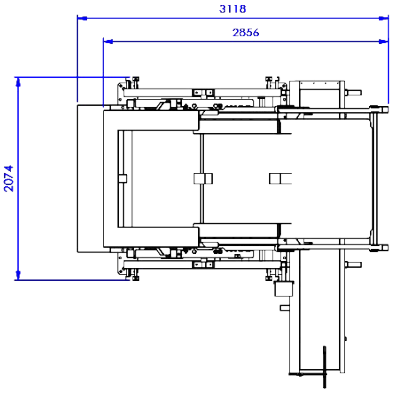


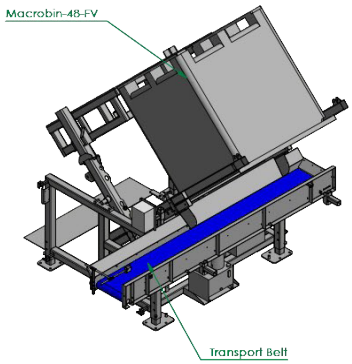
To Put Fence

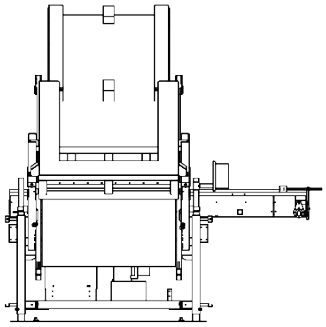
Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101	
	Project:	-		
	Description: **Box tipper ZD 160**			
ALLROUND VEGETABLE PROCESSING www.allroundvp.nl	Surface:			
	Engineer: JAJ	Scale: 1 : 37	**00022580**	Revision: 01
	Date: 20-06-2019	Sheet size: A4		
		Unit: mm	Sheet: 1 of 1	

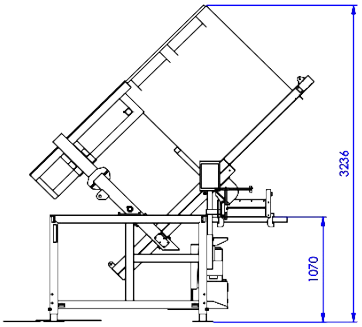
ZD MACROBIN

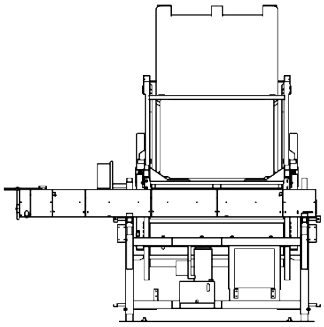












Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101	
	Project:			
	Description: **ZD Macrobin-48-FV**			
ALLROUND VEGETABLE PROCESSING	Surface:			
	Engineer: SRPL	Scale: 1 : 35	**00064655**	Revision: 00
	Date: 25-10-2019	Sheet size: A3		
		Unit: mm	Sheet: 1 of 1	