

VLB15T

Vacuum + Loader
Combination Model

● Performance

Power		3 phases 200V 60 Hz	3 phases 220V 60 Hz	3 phases 200V 50 Hz
Temperature range		60-130 °C		
Dryer heater output		2.00 kW	2.42 kW	2.00 kW
Vacuum pump output		0.2 kW		
Loader blower output		0.93 kW		0.76 kW
Conveyance capacity	Primary line (60 Hz) *1	90 kg/h		
	Secondary line (60 Hz) *2	30 kg/h		

*1 The value was obtained by our measurement while feeding a new material having the bulk specific gravity of 0.65g/cm³ to the VLB main unit through a hose of φ25 mm running 2m horizontally and 1.5m vertically.

*2 The value was obtained by our measurement while feeding a new material having the bulk specific gravity of 0.65g/cm³ to the crisper through a hose of φ25 mm running 5m horizontally and 3m vertically.

● Standard specifications

Material drying part			
Capacity (litter/kg)		21 litres / 15 kg	
Hopper dryer		Body: SUS304 Heat transfer part: aluminium	
Temp control	Setting/indication	Digital setting, Digital indication	
	Control method	PID control	
	Sensor *3	Thermo couple (J)	
Dry system		Vacuum heat transfer type dryer	
Air purge for vacuum dryer and to injection machine		Dehumidifying air purge (for material)	
Start timer *4		Subtractive start timer 00 h : 05 m ~ 99 h : 55 m	
Material outlet	Bore	1 X Ø25 mm	
Filter	Exhaust filter	Activated carbon type filter (GT-filter)	
Loader part			
Material transfer method	Primary line	Vacuum loader	
	Secondary line	Vacuum loader	
Loader hose inner bore	Primary line	Ø25 mm	
	Secondary line	Ø25 mm	
Filter	Dust filter	Accordion filter Ø150 mm X 250 L	
Shutter for vacuum		Twin drive shutter	
Common parts			
Safety devices	Fault contents	Safety device	Fault signal
	Short	Earth leakage circuit breaker	Power off
	Overload		
	Negative phase	Phase reversal relay	Touch panel display + Buzzer + Operation stop
	Loader blower overload	Overload relay	Touch panel display + Buzzer + Operation stop
	Overheat	Overheating thermostat	Touch panel display + Buzzer + Operation stop
	Vacuum pump overload	Overload relay	Touch panel display + Buzzer + Operation stop
	Dryer shutter error	Auto switch	Touch panel display + Buzzer + Operation stop
	Injection machine feeding shutter error	Auto switch	Touch panel display + Buzzer + Operation stop
	Partial Vacuum error	Pressure switch	Touch panel display + Buzzer + Operation stop
	Temperature high alarm	Temp. controller	Touch panel display + Buzzer
	Temperature low alarm	Temp. controller	Touch panel display + Buzzer
Clean filters	In touch panel	Touch panel display + Buzzer	
Colour *5	A45-90A (gloss)		

*3 Sensor (s) may change by customer's demand.

*4 If primary power falls during machine running, the machine will not restart automatically after power comes back. The built-in battery will be full by charging over 30 minutes. It can keep memory 10 days.

*5 Colour may change by customer's demand.

□ Specification may be changed without prior notice.

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● Accessories

Power cord		3.5 m
Material tank with dehumidifying air purge (T505HP)	Material	SUS430
	Capacity of a tank	80 liters/ 50 kg
	Suction port	Ø25 mm
Hose		Material hose Ø25 mm (without E) 15 m
Hose band		6 X hose bands for Ø25 mm hose

● Utilities

Power		3 phases 200V 60 Hz	3 phases 220V 60 Hz	3 phases 200V 50 Hz
Electric capacity		3.13 kW	3.55 kW	2.96 kW
Ampere		15.78 A	16.49 A	15.19 A
Circuit breaker capacity		20 A		
Air	VLB15 main body	Required quantity *6	Required. (3.3m ³ /h at 0.6 MPa)	
		Joint bore	Air tube connector Ø10 mm	
Material tank	Material tank	Required quantity	Required. (0.9m ³ /h at 0.6 MPa)	
		Joint bore	Air tube connector Ø10 mm	
Size	VLB15 main body *7	W750 X D676 X H1322 (mm)		
	Material tank *7	W500 X D500 X H848 (mm)		
Weight	VLB15 main body	300 kg		
	Material tank	30 kg		

*6 The machine needs this value of compressor air per hour when it operates maximum times per hour.
The number indicates material transporting at 25 times per hour.

*7 Protrusions are not contained.

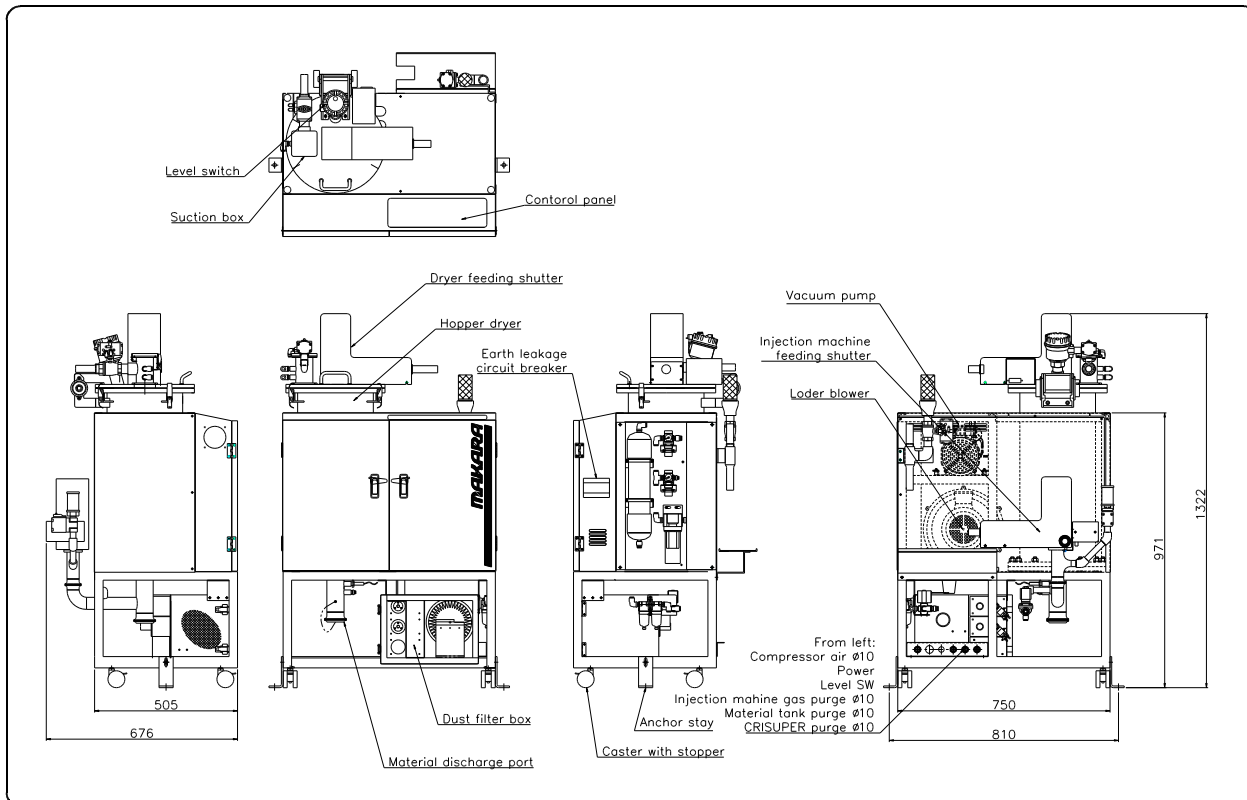
Specification may be changed without prior notice.

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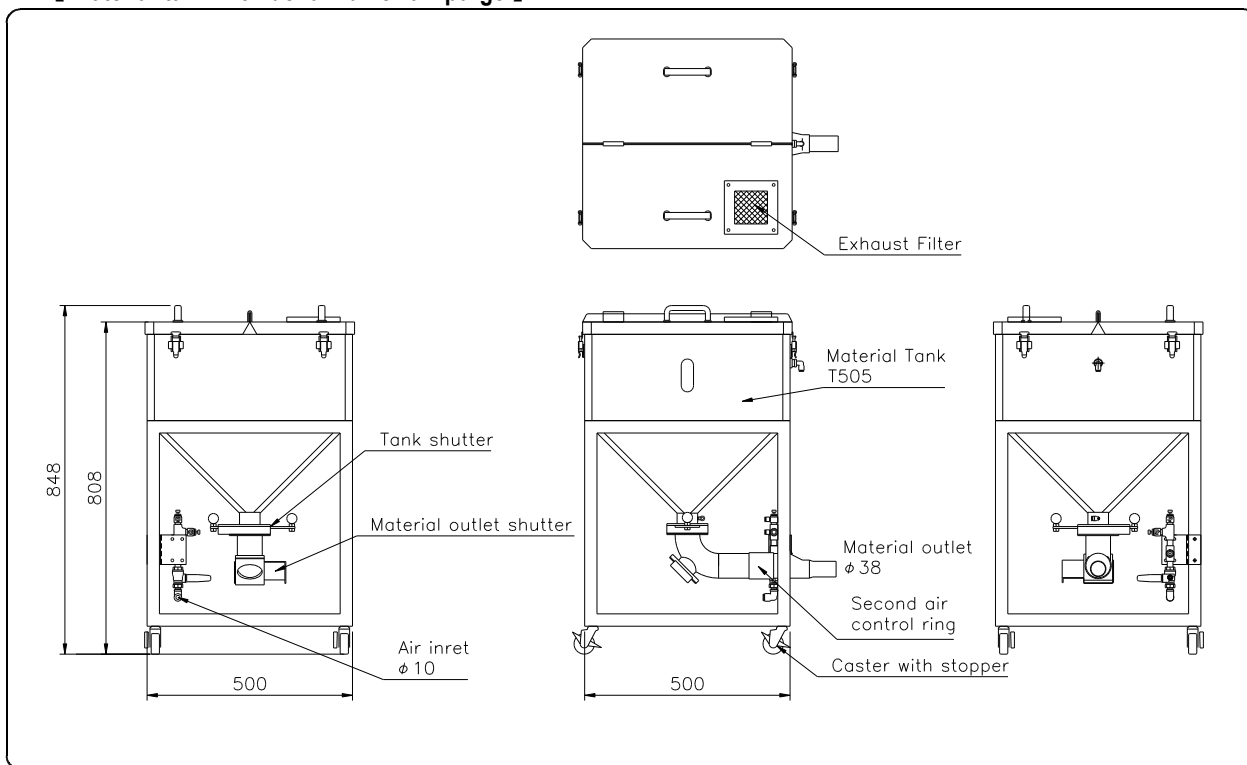
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● Outline drawing
【 VLB15T 】



【 Material tank with dehumidifier air purge 】



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