

Gravimetric Batch Blender

ACA-Zb series 50/100

AUTOCOLO II



HIGH ACCURATE : $\pm 0.3\%$ or less of full scale

SPACE-SAVING : 70% space-saving from conventional separated model

OPERATIONS : 「Easy Mode」 enables you to operate intuitively

Cleaning : Easier cleaning for discharge of remaining material from supplying hopper



Accurate weighing and reliable discharge

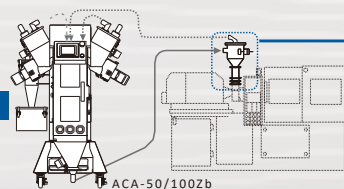
Gravimetric weighing system with high accuracy allows easy quality control by recording data.

OPERATIONS

Enable to input directly blending, conveying time, mixing time and operate intuitively by 「Easy Mode」 with overwriting blending table

For material loss reduction “Perfect” finish-up mode

It is fixed only in one mode specified at the time of ordering.



All material in mounted hopper will be finished-up for smooth transition to next production.

1

Just feed of material in accordance with production quantity

Simply entering production quantity will start auto-calculation for required material amount.

All materials in the system will be finished up when production completes at preset quantity. (with adjusting function for small increase or decrease of remaining production quantity)

2

Timely feed of material in accordance with production hours

Simply entering production ending time will start auto-calculation for required material amount.

All materials in the system will be finished up on the preset time.

3

Just feed of material in accordance with number of container box

All materials in the system will be finished up when "Adjusted Stop" signal is received after remaining production completes at preset remaining number of container box.

(with adjusting function for small increase or decrease of remaining production quantity)

Standard feeder

± 0.3% or less of full scale*

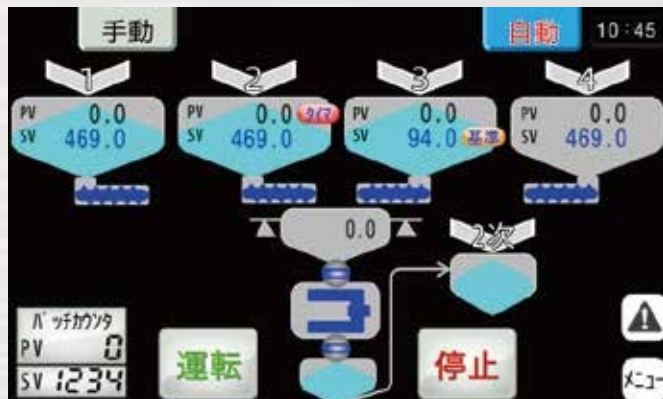
* The figures are based on our test data.

Option

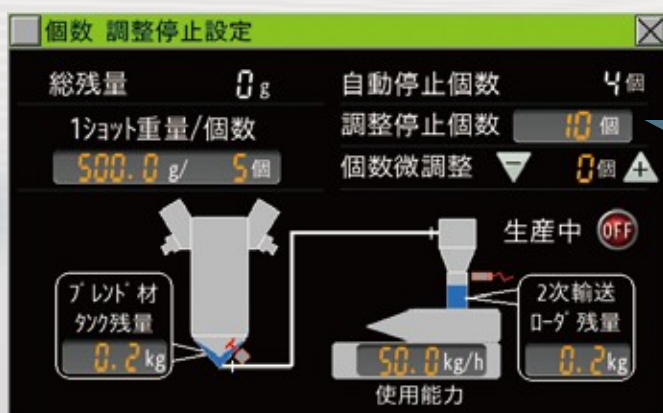
Micro-batch feeder

± 0.1% or less of full scale

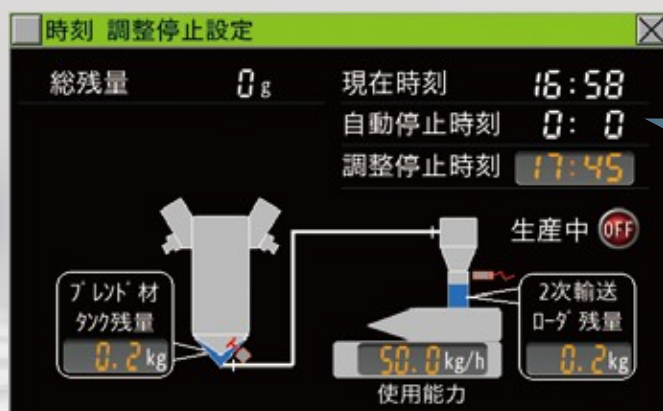
* ACA-50Zb±0.2% or less of full scale



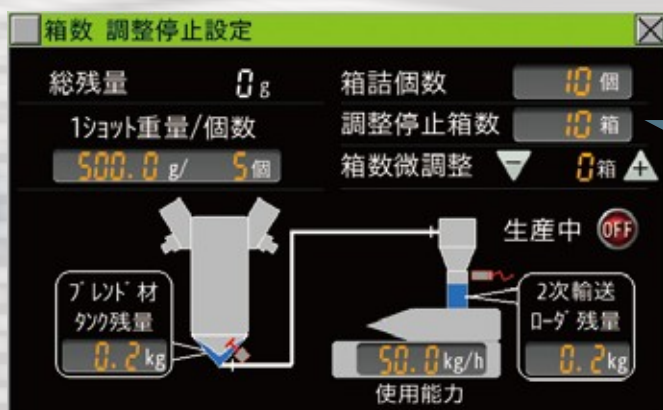
Please select 「Easy Mode」 on display of initial setting when used



How to preset remaining production quantity



How to preset production ending time



How to preset number of container box at adjusted stop for time out

$\pm 0.1\%$ or less of full scale^{*2}

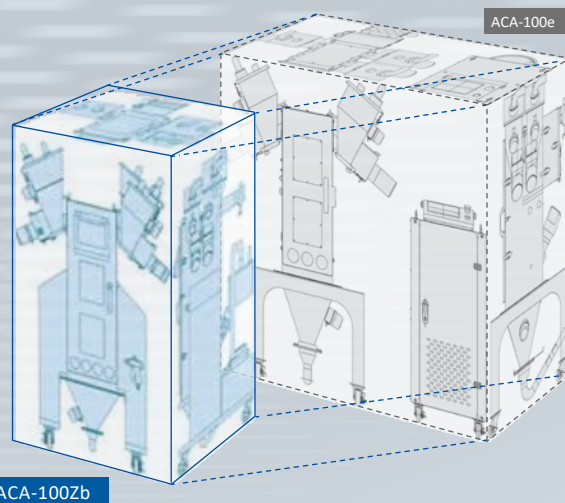
SPACE-SAVING

Space-saving model with the function and the performance of
AUTOCOLOR II

Considering the
installation space With
ACA-100e (separate control
unit) By comparison

Approximate **70%**
Space-saving

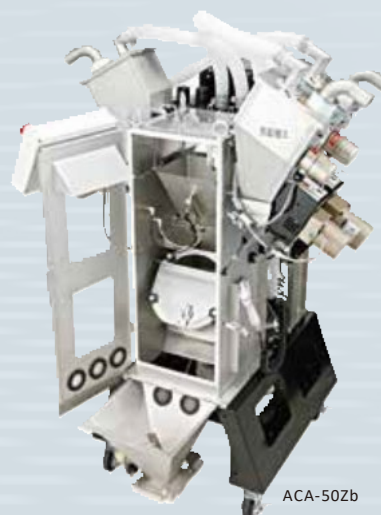
Installation space :
about **70%** of ACA-100e



MAINTENANCE

Conveying hopper doubling as feeding hopper, low-profile model, and easily
detachable parts for easy cleaning and maintenance

Improved cleaning & maintenance much better than conventional one due to improvement of control panel location.





Option

- ACA remote monitoring function (VNC monitoring)
- Use PC remote software [Ultra VNC Viewer] to grasp problems remotely

Kawata Scope

- Only ACA machine

ACA

Customer Scope

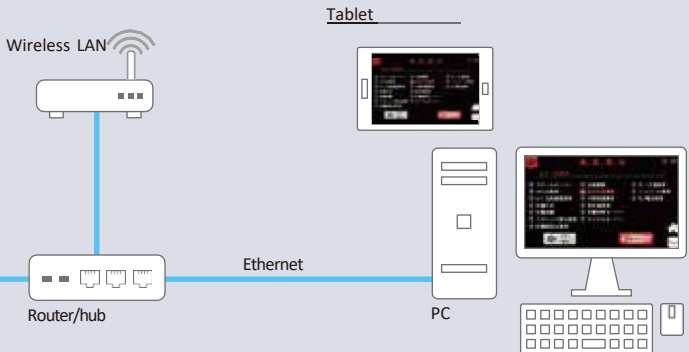
Environment/equipment/software that you should prepare at the time of installation

Corporate network (including hub/router)

- LAN cable (STP category five or above), repeater required for 94 m or above
- PC
- Install Ultra VNC Viewer
- Connection settings to ACA

Operation confirmed VNC client software

PC (OS:Windows) ☐ Ultra VNC Viewer (Free soft) Tablet (OS:Android/iOS) ☐ Mocha VNC (Shareware)



Wireless LAN

Ethernet

Router/hub

Tablet

PC

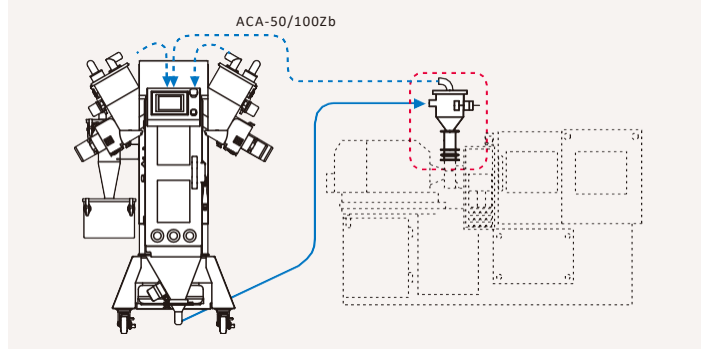
* Would you please complete the installation and configuration of the VNC viewer before installation?

* Regarding the environment/equipment, it is assumed that the customer prepares it.

* Details will be confirmed after a meeting.

- Secondary conveying loader hopper
(Selected when conveying the material from the blend material tank to the molding machine) (only for up to 3 types)

☐ Flow diagram (using an optional hopper for secondary loader conveying)



- Purge for cleaning



- Micro-butcher feeder



- Suction pipe
- Conveying blower up
- Visual alarm
- Dust separator
- Hose containing no PVC
- Different voltage

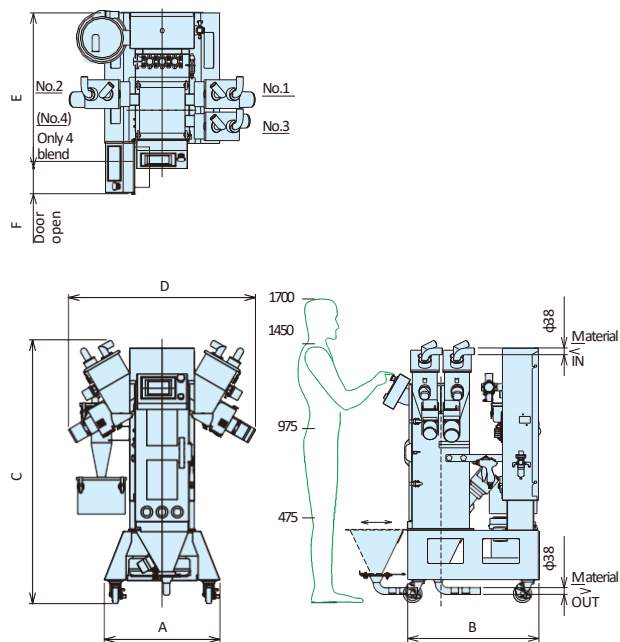
Specifications

Items		Models	ACA-50Zb	ACA-100Zb
		(kg/h)	50	100
Max. Throughput				
Number of Materials			3 (4 : option)	
Feeding			Screw feeder	
Weighing			Gravimetric weighing (using load cells)	
Accuracy	Standard Feeder		$\pm 0.3\%$ and below of FS	
	Micro-Batch Feeder		$\pm 0.2\%$ and below of FS	$\pm 0.1\%$ and below of FS
1 (kg)			1.5	3.0
Throughput per Batch				
Mixing & Agitating			Batch mixing system by agitator	
(kW)			1.3/1.9	
Conveying Blower Capacity (50/60Hz)				
Distance of Conveyance			Within 20m including vertical 3m and 3 bending points	
(kVA)			Approx. 3.1/3.7	
Power Supply (AT)			30(Main circuit breaker)	
AC200V/200 ,220V/50(60Hz)				
3Phase				
L/mi{ANR}			Approx. 1.0 (0.4 - 0.6MPa)	
Compressed Air Requirement				
Connector Size			$\phi 6$ tube with one-touch connector	
Accessories			PVC flexible hose: $\phi 38 \times 20 \text{m} \times 1$ coil (Replaceable with a Hose Containing no PVC)	
			Cyclone with dust collection tank	
			Power cable 5m \times 1pce	
(kg)			Approx. 205	Approx. 235
Weight				

*The above are figures obtained when using pellets with a bulk density of 0.5~0.6g/cm³.
These figures vary with material properties. Please contact us for any concern.

*These specifications are subject to change without notice.
*Please read the instruction manual carefully before use.

Dimensions



Dimensions

		(mm)					
Model		A	B	C	D	E	F
ACA-50Zb		644	733.2	(1472)	(1042)	(869)	(143)
ACA-100Zb		714	793.2	(1752)	(1092)	(934)	(193)



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Total Systems Engineer

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