

USER MANUAL

uFetti Blower CB21

V1.0
2024/11/25

SHOWVEN®



SHOWVEN Technologies Co., Ltd

Thanks for choosing SHOWVEN uFetti Blower, we wish it will bring you lots of exciting moments. Please read the following user's manual carefully before operating this product.

▲ Safety Instructions

1. Safety icons explanation

Safety instructions warn of hazards when handling equipment and provide information on how to avoid those hazards. They are classified according to the severity of the hazard and are divided into the following groups. Please do follow all safety instructions in this document!

DANGER: Indicates a hazardous situation that, if not avoided, will result in death or serious injury. (This signal word is limited to the most extreme situations)

WARNING: Indicates a hazardous situation that, if not avoided, could result in serious injury

CAUTION: Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

NOTICE: Provide additional or supplementary information.

2. General Safety Instructions

- ⚠ Make sure power supply is consistent with the rated voltage of the equipment, and the socket must be well grounded. Unplug and turn off the machine when not in use.
- ⚠ Please pay attention to the use environment and safety distance, check this manual for details.
- ⚠ After turning on the device, no person should stay in the danger area. Ensure all persons that are part of the show are informed about the safety distance, risks and functions of the device.
- ⚠ Always have a CO₂ fire extinguisher and an extinguishing blanket in case of need.
- ⚠ If there is any doubt as to the safety operation of the device, the device should be taken out of service immediately. Check the power switch, cable connections and power plug carefully. If you can't solve it, please always contact SHOWVEN (info@showven.cn) for help.
- ⚠ Use only SHOWVEN original confetti, otherwise, it may lead to failure or danger.
- ⚠ The operator responsible for the control of uFetti Blower must always have a clear view of the device, so that he/she can stop the show immediately when there is danger. The main AC power switch should be near the operator. So that the operator can turn off the power of all devices in case of abnormal.
- ⚠ The device shall not be altered and applied to other use purposes.

3. Disclaimers:

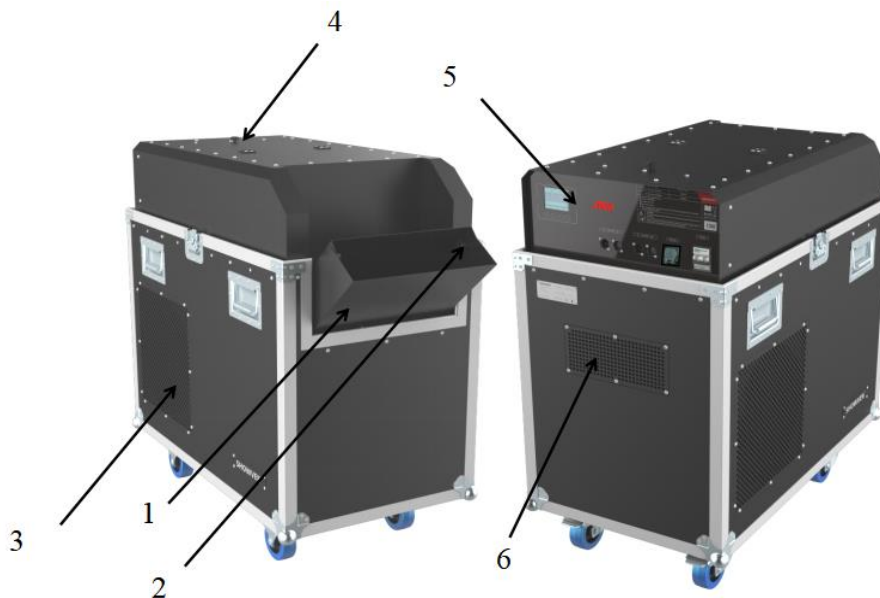
SHOWVEN technologies Co., Ltd excludes liability for unsafe situations, accidents and damages resulting from:

1. Ignoring warnings or regulations as shown on product manual or this manual.
2. Use for other applications or circumstances other than those indicated herein.
3. Changes to the device, including use of non-original spare parts, lack of maintenance etc.
4. Dismantling device without authorization from SHOWVEN.
5. Use this machine by unqualified or untrained personnel.
6. Improper use of machine.

▲ Technical Specifications

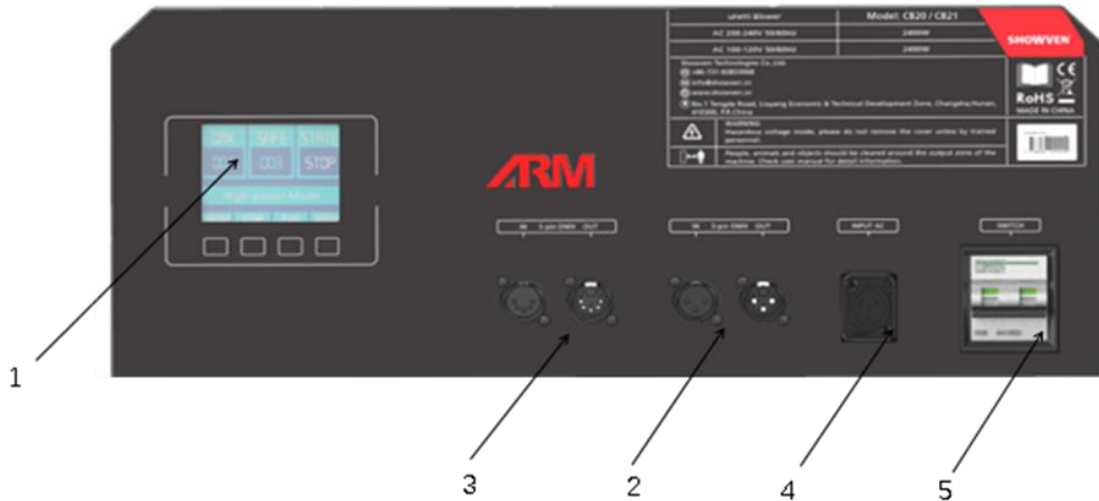
- Model: uFetti Blower CB21
- Material: 304 stainless steel, penn elcom parts
- Dimension: 926×540×990mm (with casters)
- Weight: 106kg
- Input: AC100-120V / AC200-240V, 50/60Hz
- Work Power: 2400W
- Interface: Color touch screen
- ARM Indicator Light: Yes
- Control: DMX , Manual, auto run when power on machine
- DMX: 3-pin and 5-pin DMX IN / OUT
- Output Direction: 50°~90°
- Output Distance: 18m
- Blower Speed Adjustable: Yes, adjust on software
- Output Density Adjustable: Yes
- Consumable: SHOWVEN Confetti
- Hopper Capacity: 10kg paper confetti / 20kg metallic confetti
- Continuous Working Time with Full Load: 7-15min
- Caster: 4 casters with brake

▲ Structure



1. Output Plate
2. Output Angle Adjustment Knob
3. Air Inlet
4. Confetti Hopper
5. Control Panel
6. Service Port

▲ Rear Panel



1. LCD Screen
2. 3-pin XLR IN/OUT
3. 5-pin XLR IN/OUT (5-PIN XLR IN can charge for wireless DMX pen through pin1 and 4, pin4 with DC5V power supply)
4. Power IN
5. Power Switch

▲ Display and setting

1. ARM indicator light



Operators can enable/disable the arm indicator light by set the "ARM STATE" in Advanced menu. If "ARM STATE" is ON, there will be three status:

ON: no DMX signal

OFF: DMX signal input

BLINK: DMX armed or machine blower is ON

2. Welcome Interface

Software Version	CB21-A20241028
Serial Number	*****
Blower Running Time	0 Hour 0 Min
AC Input	110V

3. Main Interface



1. Data column: SAFE column only available when under 2CH-P mode.
DMX: DMX address, When there is DMX signal in, background color changes from black to red

SAFE: Safety channel address. Safety channel DMX value between 50-200, background color changes from black to red

STATE: Machine status. When blower is working, STATE changes from "STOP" to "WORK", and background color changes from black to red

2. Message information column
Error message or output mode information display
3. Key Instruction
MENU / BACK
UP / LEFT / STOP
DOWN / RIGHT / RUN
MONI / EDIT / SAVE

Click "MENU" in main interface, press and hold "RUN" to start the machine manually, press "STOP" to stop the machine, click "MONI" enter monitoring interface.

NOTICE:

When there is DMX signal in, STOP and RUN are hidden and disabled

4. Error Message

Error Message	Why it appears	How to remove
E0 System IC	Power supply with frequency out of 40-70Hz	Check power supply
E1 Blower Running Error	When blower running abnormal	Check the blower and solve the problem
E2 Hopper Running Error	Feeding motor blocked, device stops working	Check the hopper and feeding motor, restart machine.
E3 Ptemp. Over	PCB over temp.	Find out the over temp. reason, might be PCB error

5. Monitor Interface

Press "MONI" can enter monitor interface, press "BACK" switch back to main interface.

Menu	Explanation
Hopper Roll Motor State	Hopper feeding motor status monitoring
AC frequency	AC frequency monitoring
DC Voltage	DC voltage monitoring
PCB Temperature	CPU temp. monitoring
Blower Motor Sensor	Blower current monitoring (not available for 110V version)

6. Menu Interface

Press "MENU" enter menu interface, press "LEFT", "RIGHT" enter different items, press "BACK" switch back to main interface.

Menu	Explanation
MAIN	Main menu
ADVANCED	Advanced menu
FACTORY	Factory menu (password is required to enter)
BACK	Back to main interface
LEFT	Left item
RIGHT	Right item
EDIT	Select

7. Main Menu

Select "MAIN" in menu interface, press "EDIT" to enter main menu.

BACK: Back to previous interface

UP: up or +

DOWN: down or -

EDIT: Edit selected items

SAVE: Save

Items	Contents	Default	Description
Set DMX Address	1-512	1	Device DMX address
Set Safety Addr	1-512	3	Safety DMX address
Output Mode	High_Power/ Low_Power	High_Power	Blower output mode

8. Advanced Interface

Select "ADVANCED" in menu interface, press "EDIT" to enter advanced menu.

Items	Contents	Default	Description
DMX Mode Select	1CH-N / 2CH-P	1CH-N	
Duration (s)	1-600	600	Firing duration when manual firing
Interval (s)	0-600	OFF	Firing interval when manual firing
Hopper Roll Speed	5-100	100	Hopper roll speed when manual firing
Auto Firing After Power On	ON/OFF	OFF	CB21 will start to work after power on if set to ON.
ARM State	ON/OFF	ON	ARM indicator light ON/OFF setting
LCD Backlight	ON/OFF	ON	ON: LCD backlight long on OFF: LCD backlight off in 30s if no operation
Key Sound	ON/OFF	ON	Keypad sound ON/OFF setting
Key Lock	ON/OFF	OFF	ON: Keypad function disabled when there is no operation for long time (restart machine to activate)
Motor Protect	ON/OFF	ON	ON: Turn on the error message prompt function of the motor (feeding motor and blower motor).
DefaultParameter	ON/OFF	OFF	Reset default parameter settings
Language	Chinese / English	English	Language switch
Output Mode	High_Power/ Low_Power	High_Po wer	Blower output mode (not available for 110V version)

▲ DMX CONTROL

There are two DMX control mode for uFetti Blower CB21: 1CH-N and 2CH-P.

occupies 2 functional channel CH1, CH2 and 1 separate safety channel CH-S (this channel is independent from functional channels, can be shared with other machine).

1. 1CH-N

Channel	Function	Value
CH1	Output ON/OFF	0~9: NO output 10~255: Output increase

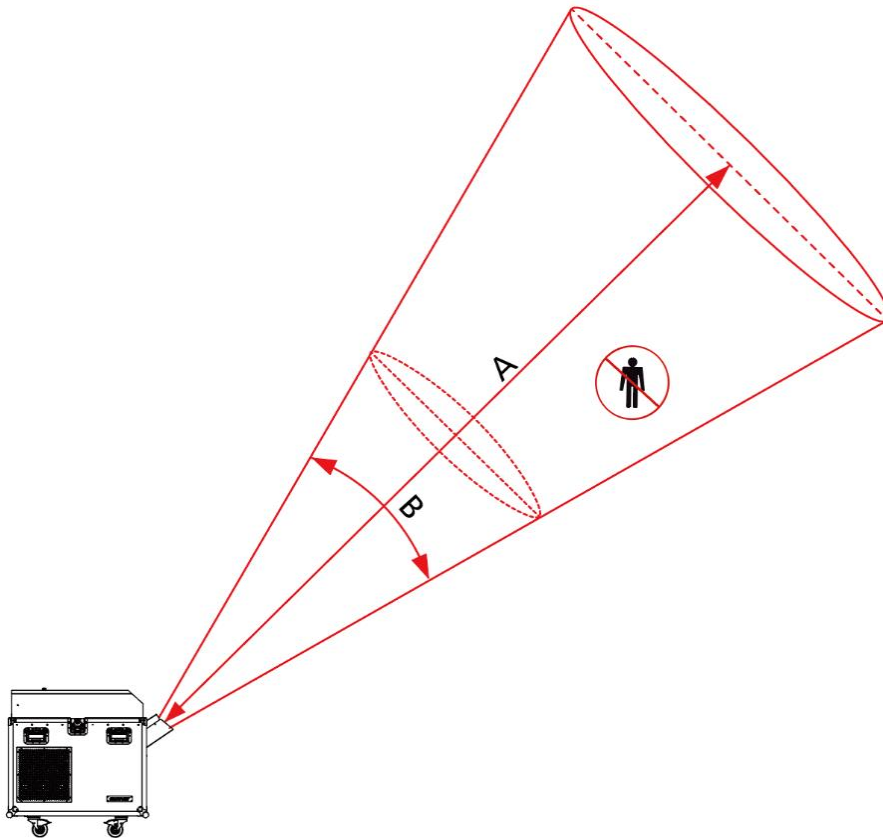
2. 2CH-P

Channel	Function	Value
CH1	Output ON/OFF	0~9: NO output 10~255: Output increase
CH-S	Device enable / disable	0~ 49 and 201~255: Device disabled 50~200: Device enabled

△ Operation

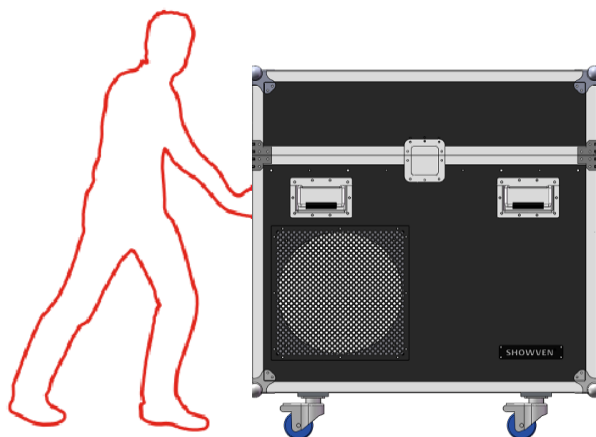
1. Safety instructions

- DANGER:** Make sure that confetti cannot come into contact with high-voltage lines/power pylons, as this can result in electrocution.
- WARNING:** All operations must be performed by professionals, and non-professionals are prohibited from operating.
- WARNING:** Use of a damaged or improperly installed machine could result in death, serious injury, or property damage. Always inspect the machine thoroughly before operating it.
- WARNING:** Do not use the uFetti Blower if alterations have been made other than by or on behalf of SHOWVEN.
- WARNING:** Make sure there are no objects that can be damaged by the machine within the output distance. And no people or animals are allowed to stay in the direct output.
- WARNING:** Make sure power supply is consistent with the rated voltage of the equipment, and the socket must be well grounded. Do not connect more units to a single electrical circuit than the installed fuse is able to handle. Recommended to connect only a single unit of device to a power supply cable.
- WARNING:** Make sure there are no objects near the air inlet port that can block the air to be sucked in.
- WARNING:** The red cone area shown in below picture is the safe isolation range of this product, and unauthorized persons or objects are strictly prohibited from entering. $A=10m$, $B=40^\circ$.

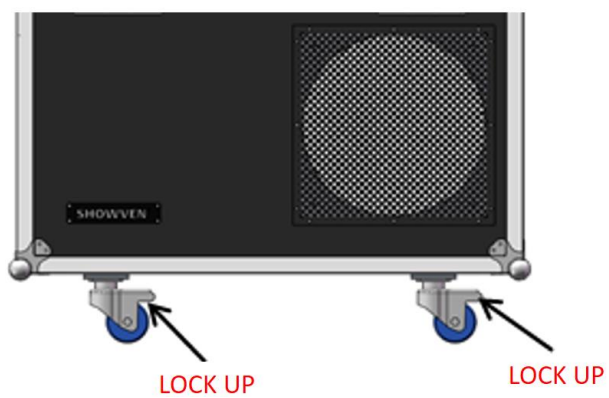


2. Install uFetti Blower

2.1 Bring the machine to desired location.



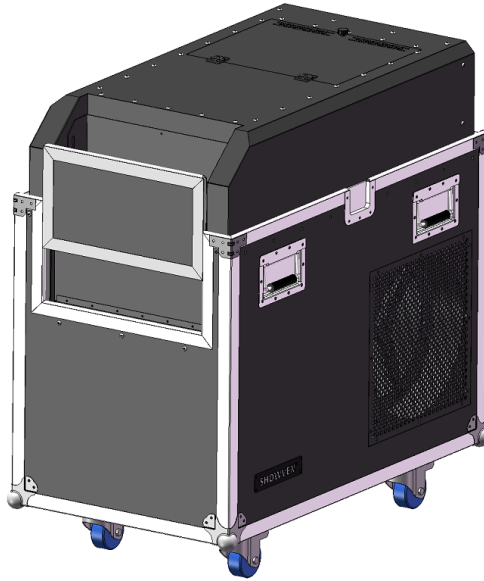
2.2 Lock all four casters of the machine.



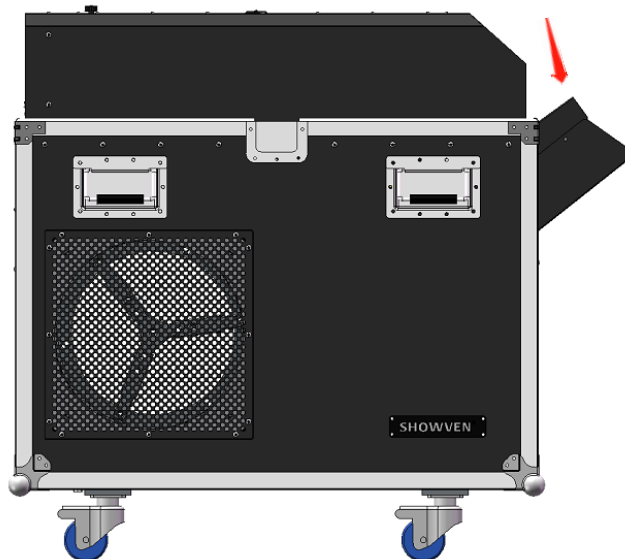
2.3 Unlock and remove the flight case cover



2.4 Remove the slide panel.



2.5 Adjust the output angle, make sure angle adjustment knob screwed tight.



3. Connecting uFetti Blower

- a) Connect a power cable to the POWER IN socket of uFetti Blower. Connect the other end of power cable to the power source. Make sure power supply is consistent with the rated voltage of the equipment, and the socket must be well grounded.
- b) Power ON uFetti Blower

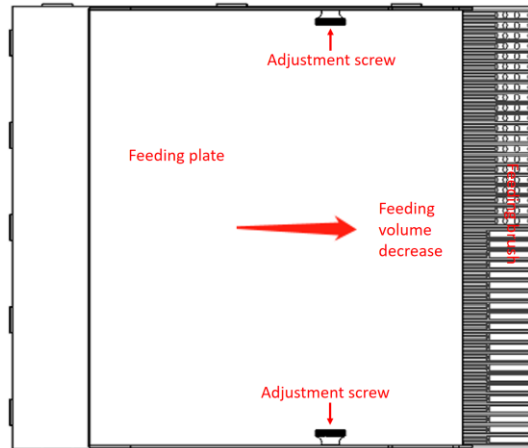
DMX control, Please follow below steps:

- c) Connect a DMX cable to the DMX IN socket of first unit of uFetti Blower, another head of this DMX cable connect to DMX console (such as FXcommander). Make sure the DMX console is powered off.
- d) Connect a DMX cable to the DMX OUT socket of previous uFetti Blower, and the other end to the DMX IN of next machine. Connect all devices in series in this way.
- e) Suggest to plug in a DMX terminator into the DMX OUT in last unit of machine to improve signal reliability. For distance >200m please use SHOWVEN DMX splitter 8 to amplify the signal.
- f) Assign DMX address for each unit of uFetti Blower. If use SHOWVEN host controller or FXcommander to control the machine please allocate a unique DMX address for each unit of machine.
- g) Power ON DMX console

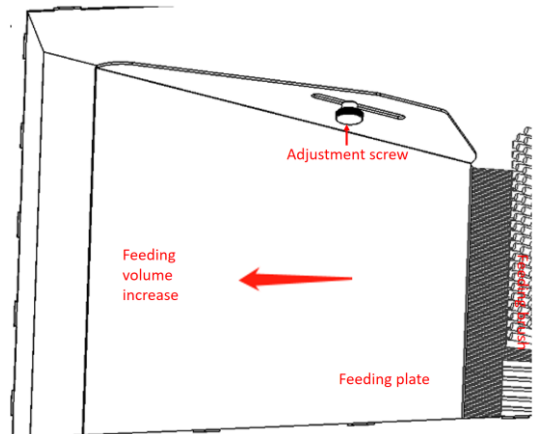
4. Feeding plate adjustment

Operators can adjust the feeding volume/density by adjusting the feeding plate.

- a) When use confetti as below, suggest to set the feeding plate to the lowest position, to minimize the feeding volume. Of course operator can adjust it according to effect he/she wanted.



- b) When use confetti as below or used confetti, suggest to set the feeding plate to higher position to increase the feeding volume.



5. Fill the machine with confetti

- c) Open the hopper lid
d) Fill hoppers with confetti
e) close the hopper lid



6. Firing (DMX, Manual control, Auto firing)

Double confirm the prescribed safety isolation zone is clear, no person, animal or other property within this region. Make sure no objects block the air inlet ports.

DMX Control:

- Activate the safety channel and enable device, the ARM indicator light blinking.
- Activate the effect by setting the DMX value of hopper. The output density will increase as DMX value increase from 10 to 255. By activating hopper, the fan will start blowing.
- Adjust the effect density of each hopper during the effect duration if desired.
- To stop blowing please adjust the DMX value of hopper below 10, then deactivate the enable address of safety channel. The ARM indicator light will OFF.

Manual Control:

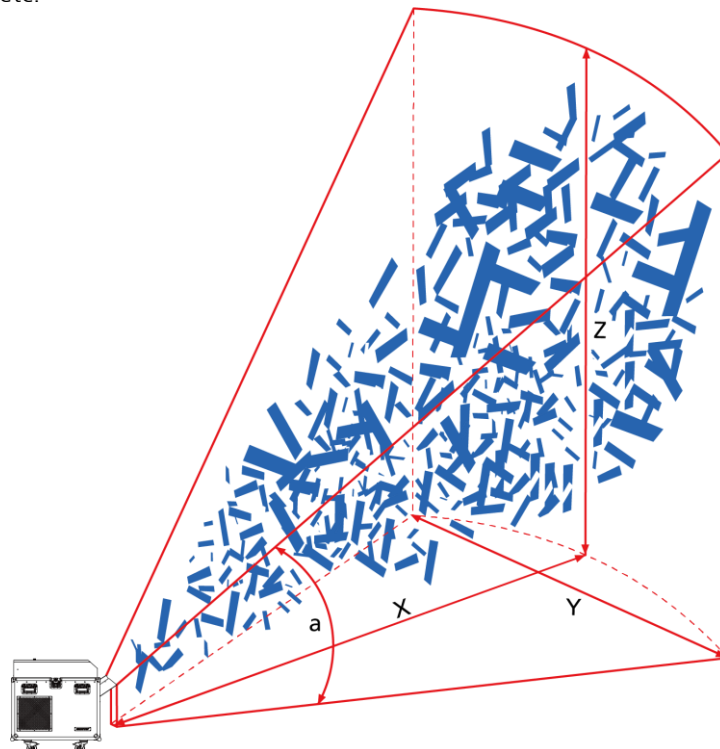
To blow uFetti Blower manually please disconnect DMX connection, press and hold "RUN" button on LCD screen to start the machine. Press "STOP" to stop the output.

Auto Firing:

Please set the "Auto Firing After Power On" to ON status and save the change. Then whenever power on machine, it will start to feeding and blowing automatically. Power OFF the machine when you want to stop.

Output distance

The output height, width and distance depend on the type of confetti, the output angle, the operation mode of the blower etc.



Consumable	Max. Output Distance (X)	Max. Output Width (Y)	Max. Output Height (Z)
Paper Confetti	18m	8m	11m
Metallic Confetti	13m	5m	8m

NOTICE:

The above parameters are test parameters with SHOWVEN original confetti with size of 55*17cm under ideal conditions with no wind, and the output plate angle is set at 50 degrees.

7. Power OFF and clean up

- Power OFF uFetti Blower, disconnect power and/or DMX cables.
- Loosen the angle plate adjustment knob to pull the angle plate to vertical position and screw it tight.
- Remove any remaining confetti from the hopper and from in/outside the machine.
- Place the slide-in-panel and flight case cover back, lock the flight case cover. Release the brakes for casters.

▲ **Maintenance**

1. To maintain the machine in good performance and running status, it is recommended to running the device at least once per month.

▲ **Warranty Instructions**

- √ Sincere thanks for your choosing our products, you will receive quality service from us
- √ The product warranty period is one year. If there are any quality problems within 7 days after shipping out from our factory, we can exchange a brand new same model machine for you
- √ We will offer free of charge maintenance service for machines which with hardware malfunction (except for the instrument damage caused by human factors) in warranty period. Please don't repair machine without factory permission

Below situations NOT included in warranty service:

- √ Damage caused by use unqualified consumables;
- √ Damage caused by improper transportation, usage, management, and maintenance, or damage caused by human factors;
- √ Disassemble, modify or repair products without permission;
- √ Damage caused by external reasons (lightning strike, power supply etc.)
- √ Damage caused by improper installation or use;

For product damage not included in warranty range, we can provide paid service.

Invoice is necessary when applying for maintenance service from SHOWVEN

SHOWVEN[®]



Showven Technologies Co., Ltd.

Tel: +86-731-83833068

Web: www.showven.cn E-mail: info@showven.cn

Add: No.1 Tengda Road, Liuyang Economic & Technical Development Zone, Changsha, Hunan, 410300, P.R.China