
SHOTMAX™

Operating Instructions

P/N 100260 (120 VAC)

P/N 100265 (230 VAC)

Thank you for purchasing this SHOTMAX™

- **As you will notice from the table of contents, the manual for your new product is quite extensive.**
- **To guarantee perfect and successful work with this machine, please take some time to read the manual carefully.**
- **And finally, we believe you will enjoy years of great confetti effects if you care for and maintain your SHOTMAX™.**

CITC

1420 80th st. sw #D

Everett, WA 98203

(888) 786-CITC

www.citcfx.com

Contents

1. Set of Equipment Supplied	3
2. Accessories and Parts	3
3. Confetti Products	3
4. Description	4
5. Safety Instructions	4
6. Operating the ShotMax™	5
6.1 Selecting the Location	
6.2 Electrical Power Requirements	
6.3 Hooking things up	
6.4 Operating the machine	
6.5 Optional DMX Control	
6.6 Rest Period	
6.7 Troubleshooting	
6.8 Notes on Optional DMX Control	
7. Service and Maintenance	8
8. Technical Data	8
9. Limited Warranty Conditions	9

1. Set of Equipment Supplied

- **ShotMax™ (120VAC: P/N 100260; 230VAC: P/N 100265)**
- **Bracket w/Mounting Hardware (P/N 600555)**
- **Barrel 2" x 24" (5cm x 61cm) tube w/male fitting (P/N 601001)**
- **Tube w/feeder tip 2" x 24" (5cm x 61cm) (P/N TBA)**
- **Tube w/feeder tip 2" x 5" (5cm x 13cm) (P/N TBA)**
- **Tube 2" x 2.75" (5cm x 7cm) (P/N TBA)**
- **Suction Hose Assembly 48" flex (1.23m) (P/N 600560)**
- **Power Cord, IEC 16AWG (120VAC: P/N 600261; 230VAC: P/N TBA)**
- **Instruction Booklet**

2. Accessories and Parts

- **C-Clamp w/Safety Cable (P/N 250110)**
- **Wireless Remote Control (120V P/N 250010)**
- **Universal DMX (120V P/N 250041; 230V P/N 250042)**
- **Extension 10ft hose (P/N 600403)**
- **Extension 3ft Tip Tube (P/N 600404)**
- **Extension Tubes – Added lengths for hose 2" x 24" (5cm x 61cm) (P/N 601001)**
- **2" (5cm) Flex Hose for longer feed mechanism (P/N 601002)**
- **DMX Turret (x, y pan and tilt up to 70 lbs (32kg) (P/N 250350)**

3. Confetti Products

Also check our catalog or website (www.citcfx.com) for a complete selection of confetti and streamer products

CONFETTI - SPEED LOAD

Confetti stacked in 1" x 18" (2.5cm x 46cm) soft-sleeve. Just slide in then pull sleeve

Multi-color mix or Solid colors in stock. Custom mix by request.

Tissue Confetti - Multicolor or solid colors; primary, jewel, pastel 5/8" x 2 1/4" (1.6cm x 5.7cm)
(P/N 255501)

Mylar-Tissue Confetti - Silver or gold mylar & color tissue 5/8"x 2 1/4" (1.6cm x 5.7cm)
(P/N 255651)

STREAMERS - SPEED LOAD

FlameProof, Biodegradable Tissue Paper & Mylar 1" x 20" (2.5cm x 51cm) soft-sleeve for quick loading of your cannons (slide in then remove sleeve - no packing)

Tissue Streamer - 1/2" x 30' (1.3cm x 9.1m) (P/N 255700)

Tissue Streamers w/ Tissue Confetti - Multicolor/Colors with confetti inside 1/2" x 30' (1.3cm x 9.1m) (P/N 255750)

Mylar Streamers w/ Tissue Streamer-Silver or Gold mylar & Color tissue or rainbow mylar w/ tissue (P/N 255800)

Tissue Streamers w/ Mylar Confetti - Multicolor w/silver/gold confetti or mylar streamers w/tissue confetti (P/N 255825)

BULK/BAGGED CONFETTI & STREAMERS

Flame proof tissue only in streamer bulk (not speed loads)

Bulk is Fluffed & Mixed - Custom Mix Confetti Colors OK

Long-Flying Tissue Confetti - Primary, Jewel, pastel; solids (P/N 255075)

White Snow Tissue - 1" (2.5cm) square falls like snow (P/N 255100)

Mylar Confetti, mixed w/ tissue confetti - choice of gold, silver or rainbow w/ variety of colors in tissue. (P/N 255115)

Mylar - Gold, silver & rainbow confetti (P/N 255110)

Tissue Streamers - Pick-a-color - 1 lb. (440g) Bags (P/N 255140)

Bio-Confetti (200lb) (90.9kg) (P/N 255080)

Special Orders: Most products are available in single colors or stock mixes. Additional time and/or charges may apply for custom orders or custom mixes.

Please check whether all the products you ordered are supplied.

4. Description of the ShotMax™

The ShotMax™ with its 24" x 2" (61cm x 5cm) cannon uses continuous vacuum suction to shoot out product simultaneously and continuously. It is capable of shooting continuous confetti to approximately 35 feet (11m) and streamers to 50 feet (15m). Simple and uncomplicated, the product is never touched by blades or a motor, and is built with safety standards in mind! Compared to the competition, the noise is reduced 75%.

This revolutionary machine can launch artificial snow, tissue confetti, streamers, fog, wind and more. Mix tissue confetti and tissue streamers for continuous aerial excitement! Shoot falling snow for that evenly distributed look. It even breaks up the clumps! Shoot low-ground fog for a powerful simulated CO₂ blast to 50 feet and even further when teamed with the Hurricane fan. The possibilities are endless to match your creativity!

5. Safety instructions

WARNING: Read and understand all labels and operating instructions before attempting installation.

- o Never open the machine without disconnecting power lead first!
- o **Risk of electrical shock-** This device is supplied with a grounding conductor. To reduce risk of electrical shock, connect only to properly grounded, grounding type receptacles. Never remove the third prong from the plug.
- o This machine requires a properly grounded 120V (230V) circuit for operation. The ShotMax™ draws approximately 10 amps at 120 VAC (5 amps at 230VAC). During ShotMax™ operation this circuit should be dedicated to the ShotMax™. If you have any doubts about the capacity or grounding of your existing circuits, consult a qualified electrician.
- o Be sure area around the unit is dry before applying electrical power.
- o WARNING: Use of this machine for soft materials only. Confetti, soft streamers and soft SnoBiz are recommended by the manufacturer. Do not use this to launch other items. Harmful or dangerous injury can occur if not following directions.
- o Use of fluids through the tubing is prohibited.
- o Shooting fog through the flex tubing will cause a build up of residue. Do not use for confetti, snow or other items after shooting fog. Angle of machine must be pointed down when shooting fog to insure the residue does not flow back to blower. A damp or wet blower is not covered under the Limited Warranty.
- o Make sure that your unit is pointed in a direction that leaves a 50ft (13m) open area out in front. Place the front of the machine away from direct contact with electrical instruments and people.

6. Operating the SHOTMAX™

6.1 Selecting the Location

Secure a good location for the machine to rest solidly on the floor or suspended so that the output of the machine will not be restricted. If suspending the unit we recommend using the optional safety cable. Make sure that your unit is pointed in a direction that leaves an open area out in front and can travel 50ft (13m) without restriction. Place the front of the machine away from direct contact with electrical instruments and people.

6.2 Electrical Power Requirements

This machine requires a separate 120V (or 230V) circuit for operation. The ShotMax™ draws approximately 10 amps at 120 VAC and 5 amps at 230VAC. During ShotMax™ operation this circuit should be dedicated to the ShotMax™. If you have any doubts about the capacity or grounding of your existing circuits, consult a qualified electrician. Do not add other equipment on this circuit.

6.3 Hooking things up

- Attach the threaded tube to the front of the machine. **IMPORTANT!** Make sure launch area in front of launch tube is clear of any obstruction/personnel prior to operation. Aim toward open area so as not to strike objects, persons, or items. Clear area around machine so not to block air intake around all vents.
- Adjust bracket to hold up front of machine when sitting on a surface. Be sure to secure the unit by anchoring it down. If hanging the unit from overhead, swing the bracket completely around to the upward position and attach the C-clamp with ½” bolt, using the safety cable. Lock the unit in position securely.
- Plug power cord into power receptacle that provides 120VAC-15A or 220VAC-7A, power to unit. For DMX control, plug into the DMX relay (accessory) then plug into the electrical outlet. Plug the DMX control cable (3 pin) into the DMX XLR connection.
- Insert the straight end of the suction hose into the suction connection in the cutout on top
- Place angle-cut drawtube into the coupling on the opposite end of the hose.

6.4 Operating the machine

- Turn power switch "ON" or use DMX control box for on/off control. Adjust panel slider beyond 50% for "on" power to ShotMax™.
- Move drawtube through material to be launched, as needed. As long as material is close to inlet, it will launch continuously. You could launch all day.
- Launch soft items such as SnoBiz, confetti, streamers, flower petals, smoke, even dust. Do not stuff product into tube, but allow plenty of air to pass with the items to be launched. Use angle end of hose tip to agitate the surface of product to be vacuumed.

Note: The angle cut is to allow air with the product to be drawn into tube. This prevents clogging.

- Use of this machine for soft materials only. Do not use this to launch other items. Harmful or dangerous injury can occur if not following directions. Use of fluids through the tubing is prohibited.
- **Shooting fog** through the flex tubing will cause a build up of residue. Do not use for confetti, snow or other items after shooting fog. Angle of machine must be pointed down when shooting fog to insure the residue does not flow back to blower. A damp or wet blower is not covered under the Limited Warranty.

6.5 Optional DMX Control

With optional Universal DMX control, you will be able to turn the unit on and off under DMX control. (See section 6.8).

6.6 Rest Period

Continuous operation of this machine is not recommended. After 30 minutes of operation allow a 5-minute cool-down period.

6.7 Troubleshooting

1. **Why does the nozzle clog every time I use it?** The long tip of the nozzle needs to be placed into the confetti or snow-like fluffy product so the tip just touches the top of the product and you rake across the top of it.
2. **Why is the unit not sucking very much?** When the nozzle is facing in the upward position, lots of air will flow through the unit.
3. **Why is the unit not sucking very much? It used to suck a lot and now it doesn't suck at all.** The hose may be clogged. Lift up slightly at the nozzle connection inside the unit and pull on the tubing to remove the entire coupling. This will disconnect it from the machine and give you an opportunity to unclog any confetti that may be stuck at the intersection where the flexible tubing connects to the rigid tubing inside the box.

6.8 Notes on optional DMX operation

Each DMXed unit will occupy a unique DMX address on the DMX chain. By adjusting the dip switches on the side of the machine near the DMX cable plug-ins, the user may assign one address to the machine, giving you on/off and volume control with one DMX channel (there is no timer on this DMX).

Step 1) Attach the DMX cable to the upper “in” female connector located on the back of the unit (3-pin DMX).

Step 2) The DMX address is configured by adding the dip switch numbers together to total the number required. For example, DipSwitch 1 + 6 = 33. Your DMX channel would be 33.

Dip Switch	1	2	3	4	5	6	7	8	9
Channel #	1	2	4	8	16	32	64	128	256

When you move the slide control or digital control;

0 – 50% = Off

60– 100% = On

“Input” and “Output” designations on the DMX plugs are arbitrary (i.e., you can use the input plug for output and visa-versa). It is not necessary to attempt converting your DMX line’s connector to female/male to match the appropriate socket on the plug. As long as it is looped in/out, it will work.

7. Service and Maintenance

Care of your ShotMax™ will give you years of service. Note: cleaning your unit is going to pay off in constant good performance.

1. After use detach hose and inspect hose and Y-connector for clogs.
2. Clear any product or debris from air vents of machine housing.
3. Inspect to make sure nothing has gotten inside the motor case. If enough confetti is sucked into the motor, output will decrease and motor can overheat if not cleaned out.

8. Technical Data

ShotMax™ Technical Data P/N 10260 (230V P/N 100265)	
Weight	26 lbs / 11.8 kg
Size	10" x 10" x 19" (25.5cm x 25.5cm x 48cm)
Shipping Weight	30 lbs (13.6 kg)
Shipping Box Size	14" x 14" x 27" (36 cm x 36 cm x 69 cm)
DMX	Built-in DMX (optional)
Length of nozzle	24" (61cm)
Length of hose	36" (92cm)
Inlet and outlet id	2" (5cm)
Bracket	Hanging or standing bracket (screw down or use C-clamp)
Operation time	Up to 30 min. w/5 min. off each use
Electrical Supply	120 VAC, 10 A, 60 Hz 230 VAC, 5 A, 50 Hz
Fuse	10 A – 250 VAC
Limited Warranty	One Year

Rev: 1/16/04

9. Limited Warranty Conditions

This limited warranty guarantees to the original purchaser that this product shall be free of defects in material and workmanship, under normal use, for a period of one year from the date of purchase shown on the sales receipt. This warranty covers parts and labor providing the product is returned to CITC in the original shipping carton and packaging. The warranty for electrical is a (90) NINETY DAY limited warranty.

Damage resulting from shipping, accidents, misuse, negligence, unauthorized repairs or modification is not covered by this warranty. Using any fluid other than what is recommended for this machine will void warranty. No liability is accepted for injury or for loss, damage or expense resulting from any interruption whatsoever in the operation of the product or from any consequential loss arising there from. No liability is accepted for normal wear and tear.

We wish to satisfy YOU, our customer, and have implemented many measures to prevent problems and assure customer satisfaction. However, should you need a missing part or have a functional problem with your product, please call (888) 786-CITC from 7:30 am – 4:00 pm (Pacific Time) Monday – Friday, except for holidays. Our customer service department will respond to your problems immediately.

Please have the following information available when you call:

Model and Serial Number

Where and when the product was purchased

Nature of the problem

Subject to the following conditions, CITC will repair any defect or fault in the unit if it is caused by a proven factory defect within one year of delivery to the end user.

Insignificant deviations of the regular product quality does not guarantee replacement rights, nor do faults or defects caused by water, by generally abnormal environment conditions or Force Majeure:

1. Faulty parts will be repaired or replaced (manufacturer's choice) with correct parts. Faulty units must be shipped to CITC at customer's expense. An RMA# must come with the unit.
2. The customer loses all rights for limited warranty services, if any repairs or adjustments are done to the units by unauthorized persons and/or if spare parts are used, which are not approved by CITC. The right of limited warranty service is also lost if a fluid other than appropriate CITC fluid has been used or if units are sent to in with full fluid bottles.
3. Exposure to outside elements voids Warranty. Unit cannot be used outdoors or in wet weather without complete protection against the elements. Even then, high salty or humid conditions will cause instant corrosion of connectors and will void Warranty.
4. Freight costs to and from CITC when under the limited warranty services are the responsibility of the customer. Customer must place appropriate insurance on return

of product. However, if product is returned due to factory defect within the first 30 days of receipt, CITC will cover the cost of returning the repaired unit to the customer.

5. Limited warranty services do not cause an extension of the limited warranty time or the start of a new limited warranty time. The warranty of replaced parts ends with the limited warranty time of the whole unit.

6. If a defect/fault can not be repaired by us in a satisfactory time, we will, within 30 days after sale of the unit, either:

Replace the whole unit for free or take back the whole unit and refund the purchase price.

7. Further claims, especially for damages, losses etc. outside the unit are excluded.

8. Your limited warranty coverage is based on completion of the warranty card and returning it with your proof of purchase within 30 days of purchase.

Your limited warranty coverage is based on completion of the warranty card and returning it with your proof of purchase within 30 days of purchase. If you should send the unit for service, do not forget to remove any liquid from the fluid bottle, and place unit in original box. Obtain your RMA# by calling CITC. Payment arrangements for repair must be made before receiving RMA # in case unit is not covered under Limited Warranty.

Send unit to:

CITC
RMA # XXXXXXX
1420 80th st. sw. #D
Everett, WA 98203
Tel: (888) 786-CITC or (425) 776-4950
Fax: (425) 776-5129
Website: www.citcfx.com
E-mail: info@citcfx.com



1420 80th ST SW, Everett, WA 98203
425-776-4950 ✧ FAX: 425-776-5129
www.citcfx.com ✧ info@citcfx.com

November 17, 2009