

Year of Manufacture: 20_____

Doc #: 01-03-035C
Dated: May 21, 2025

Original Instructions



F-100 & F-1000 Flash

ASSEMBLY AND OPERATING INSTRUCTIONS

Models:

- F-100**
- F-100-240**
- F-1000**
- F-1000-240**



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Vastex E-mail assistance

Purchasing & Product Info:
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Warranty

A copy of the warranty is also available at:
<https://www.vastex.com/Library.php>

Electrical Drawing #: _____ Rev: _____

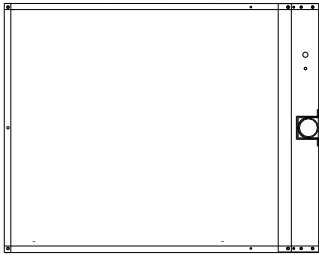

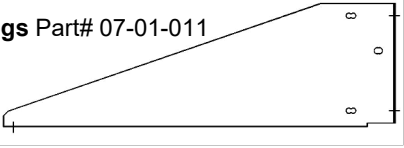










Serial #: VTX _____ Date: ___/___/___

(Please log your machine's serial number and date of purchase for future reference.)

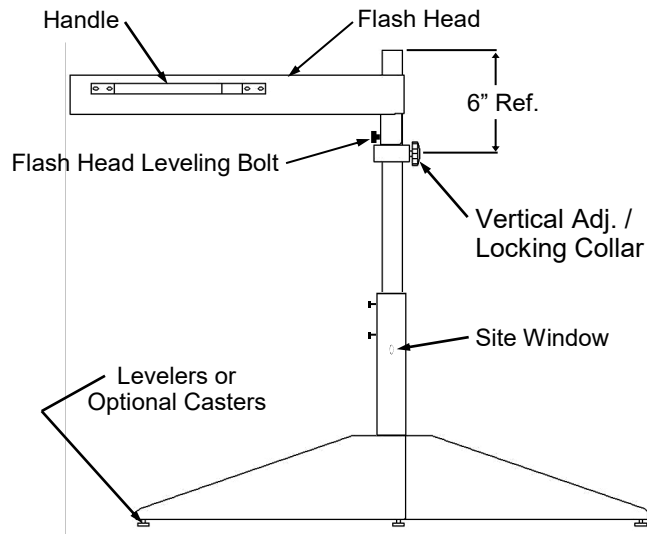
F-100 & F-1000 Flash

Component Identification

Inspect all packages while unpacking and notify the shipping company if any damages are detected. The flash heater head was assembled, tested (burned-in) and packaged in perfect condition in a proven container. Review the manual before starting assembly.

- | | |
|--|---|
| <p>(1) Heater Head</p>  | <p>(1) Knob # 04-05-106</p>  |
| <p>(4) Legs Part# 07-01-011</p>  | <p>(1) Lock Collar # 04-05-004</p>  |
| <p>(1) Round Post Part# 07-04-007-0</p>  | <p>(8) 1/4-20 x 1/2 Hex Head Bolts # 04-05-013</p>  |
| <p>(1) Square Post Part# 07-04-008-0/07-04-009-0</p>  | <p>(1) 1/4-20 x 2 1/4 Hex Head Bolt # 04-05-164</p>  |
| | <p>(9) 1/4-20 Serrated Lock Nuts # 04-05-289</p>  |
| | <p>(4) 3/8-16 Threaded Levelers # 04-06-027</p>  |
| | <p>(4) 3/8-16 Hex Nuts # 04-05-285</p>  |
| | <p>(3) Handles # 07-04-016-0</p>  |
| | <p>(8) #8 x 3/8 Sht Metal Screws # 04-05-080</p>  |

Overall Assembly Diagram



Safety Information

- The operator should read and understand the instruction manual before operating this equipment. Store this manual and safety information near the equipment for easy access to operators.
- VASTEX flash units are intended for the curing of non-flammable inks on screen printed materials. Do not use for any other purpose unless authorized by Vastex International, Inc. Use of this equipment for any other purpose can be dangerous and may cause damage to this equipment, voiding the warranty.
- It is recommended that the area around this equipment be designated as a work area and only authorized employees are allowed in this area.
- Children and pets must be kept clear from the work area.
- Do Not place any objects on top of the heater or control box; surfaces are hot.
- Never leave equipment unattended.
- DO NOT operate any flash units with any cover or guard removed.
- Do Not operate if the power cord or heater face is damaged.
- Operator must be familiar with the controls of the flash unit before operating.
- Before starting production, check that all covers and guards are in place, no material has been left on the flash unit, and the work area is clear of obstructions.
- Make certain when turning on the heater that it is not positioned over any flammable material, including the printer pallet. If heater is allowed to dwell over pallet for extended periods of time it will damage the pallet surface.
- Always turn off power at the main disconnect at the end of production.
- Do Not remove any cover or guard until power at the main disconnect is switched off and locked out. No unauthorized persons are to be allowed inside the control boxes.
- Turn off and lock out power at the main disconnect before cleaning and maintenance.
- Only qualified technicians should be allowed to make repairs on VASTEX Flash Units.
- **Noise and vibration:** These units do not produce noise exceeding 70 dB(A).

Warning

Heat Control and/or power switch should be switched off before plugging and/or unplugging the power cord.

Instructions for placing your equipment into service and use

To place your flash unit into service:

- 1.) Review the Component Identification section on page 2 to familiarize yourself with the various components of your machine.
- 2.) Follow steps 1 through 10 on pages 4 and 5 (Assembly Instructions)

To use your flash unit:

- 1.) Familiarize yourself with the function of the controls on your unit (see page 5).
- 2.) Follow the “Heating Operation” procedures on page 5.
- 3.) When finished using your unit, follow the “Shutdown” instructions on page 5.

Stability during use, transportation, assembly, testing, and foreseeable breakdowns

This equipment is designed and expected to be stable during all foreseeable conditions, provided that the cautions and instructions in this manual are followed. Do not place any objects on machine heads. If it is necessary to remove the head/round post assembly from the square post on the base, head assembly flat on the ground — do not try to balance it upright.

Safe transport, handling, and storage

This equipment is designed to be as safe as possible under all foreseeable conditions of transport, handling, and storage. Be certain to switch the equipment off, unplug it, and let it cool before handling any parts that become hot during operation, and before storing. When handling your machinery, be aware of the following weights:

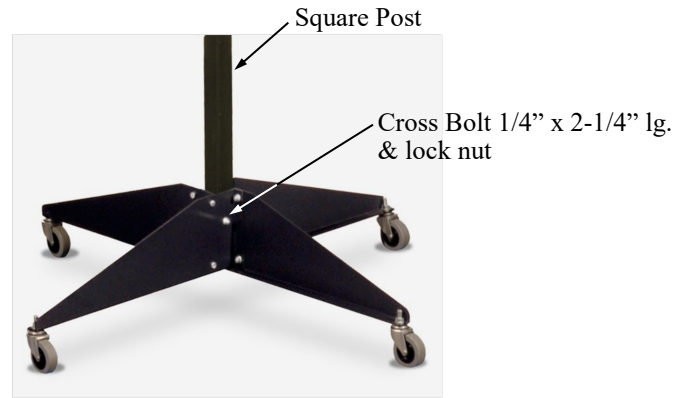
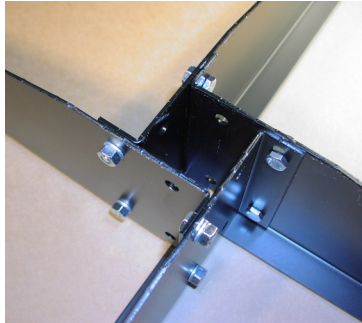
F-100: 39 lbs (18 kg); F-1000: 42 lbs (19 kg)

— Assembly Instructions

Tools Required:

1/4" Wrench or nut driver
 7/16", 1/2" & 9/16" Wrench
 Adjustable Wrench

1) Position the legs as shown below and bolt together with 1/4" bolts and serrated lock nuts. Do not fully tighten at this time.



2) Slide the square post, with the center hole at the bottom and the (2) 5/16" bolts/floating nuts at the top, into the square hole created by the legs. Insert the 1/4-20 x 2 1/4" lg. hex head bolt through legs and square post and fasten with 1/4" serrated lock nut. Tighten with a 7/16" wrench. Evenly tighten all hardware in the assembly. (Do not over tighten.)

3) Turn the assembly over and install four levelers or (optional) casters, one at the end of each leg with (4) 3/8" nuts and washers. Tighten using 9/16" wrench.

4) Loosen slightly both 5/16" bolts, only enough for the round post to slide past. Install round post into square post. Slide the post down until the end can be seen through the site window. Tighten both 5/16" bolts to secure the round post. **Do not over tighten bolts.**

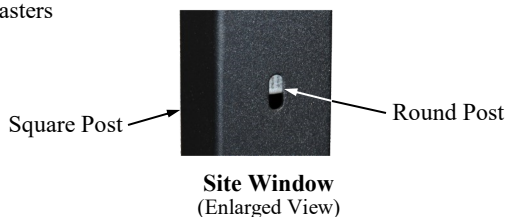
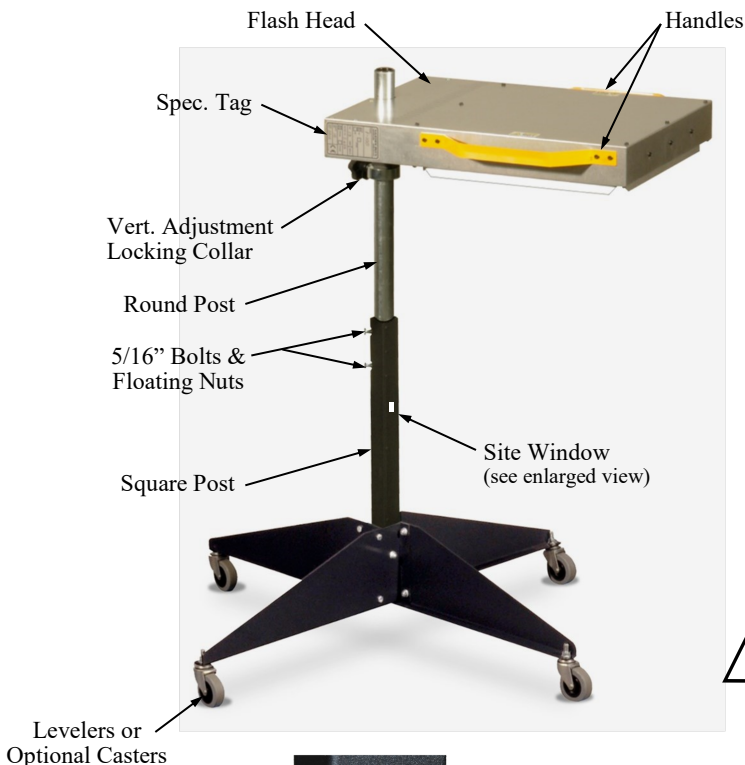
5) Thread the knob into the lock collar and install the lock collar onto the post. Position the lock collar 6" (15 cm) down from the top of the post and tighten knob fully.

6) Unpack the heater head assembly and uncoil the line cord.
Be careful not to damage the heater surface!



7) Attach 3 handles, one to each side of the heater head with (12) #8 x 3/8" sheet metal screws using 1/4" wrench.

8) Carefully slide the heater head over the post to rest onto the vertical adjustment locking collar.



— Assembly Instructions Cont.

9) While firmly supporting the heater head, loosen the locking knob and adjust the position of the heater to 2-3” (5-10 centimeters) above the pallet.

10) Adjust the flash head parallel to the pallet. Use a 9/16” wrench to turn in or out the flash head leveling bolt.

— Electrical Requirements

Models:

Plugs and receptacles listed below are for domestic (USA) models.

International models are supplied with the appropriate powercords.

F-100

120Volts, 12.5 Amps, 1.65 KW

Nema Plug 5-15P

Requires dedicated 15 amp circuit with a good quality 5-15R receptacle.

F-100-240

240Volts, 6.3 Amps, 1.65 KW

Nema Plug 6-15P

Requires good quality 6-15R receptacle.

F-1000

120Volts, 15 Amps, 1.95 KW

Nema Plug 5-20P

Requires dedicated 20 amp circuit with a good quality 5-20R receptacle.

F-1000-240

240Volts, 11 Amps, 2.6 KW

Nema Plug 6-15P

Requires good quality 6-15R receptacle.

Receptacle Configurations USA Versions



— Controls

Models:

F100, F-100-240

-Power Switch

Turns on heater

-Heat On Light

This RED light will illuminate when the main power switch is on.

Models:

F-1000, F-1000-240

-Heat Controller

The control has positions LO-2-3-4-5-6 and HI. The controller turns the power to the heater on and off to vary the temperature. The higher the number on the control the longer the on cycle and shorter the off cycle is. The “HI” position keeps the power on constantly.

-Heat On Light

This RED light is wired to the controller. It will illuminate when the control is turned on, even if the controller has failed.



Heater surfaces are very **HOT**.

Do Not leave Flash Unit turned on and unattended.

Do Not allow Flash Unit to dwell over the pallet for extended periods of time or damage to pallet top will result.

— Heating Operation

Startup: Check that power switch or heat control is turned off. Plug in the flash unit. Switch on breaker. Turn on power switch or heat control to “HI”. Allow heater to reach full temperature, approx. 20 min.

Shutdown: Turn off power switch or heat control. Switch off circuit breaker. Unplug flash unit.

Operation: The FLASH will effectively flash dry all types of plastisols and thermoset inks. Set the control to position 5 and a distance of 2-3" from the face of the heater to the surface of the garment. The normal dwell time under the heater is the time you spend printing another garment. Nevertheless, 8-12 seconds is the time needed to effectively “skin-over” the ink deposit. Adjust the heat control and/or distance from the pallet to the heater to achieve proper cure.

Maintenance and Troubleshooting

Safe maintenance and troubleshooting:

- Before beginning any maintenance or troubleshooting on your equipment, unplug your machine from its electrical outlet.
- The heat control and/or power switch should be switched off before plugging and/or unplugging the power cord.
- Allow time for the equipment to cool before attempting any service on the heater
- Do not remove any panels with the equipment powered on; any such service must be performed by qualified personnel only.
- If your machine appears to be operating abnormally and the troubleshooting charts below do not resolve your problem, shut your unit off, unplug it, and contact Vastex for further assistance.

In the event of a malfunction or breakdown:

Shut off power to the equipment and unplug from electrical outlet. Then, following the troubleshooting charts below. If this does not resolve your issue, please contact Vastex for support.

Troubleshooting Chart—All Models:

Symptom	Possible Cause	Solution
No Heat (all models) F-1000, F-1000-240: F100, F-100-240: (all models)	Machine unplugged? Faulty temperature controller Faulty power switch Faulty heater	Plug into appropriate outlet Contact Vastex for assistance Contact Vastex for assistance Contact Vastex for assistance
Heat on, cannot be controlled (F1000, F-1000-240):	Faulty temperature controller	Contact Vastex for assistance

Maintenance:

Your equipment is designed to provide a long service life with little maintenance required. On all models, periodically check the heater face and power cord to ensure that neither has become damaged. Periodically verify correct functioning of all controls.

Notes

