

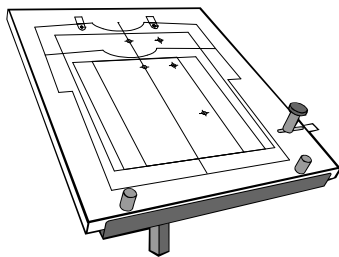
VASTEX

SCREEN PRINTING EQUIPMENT

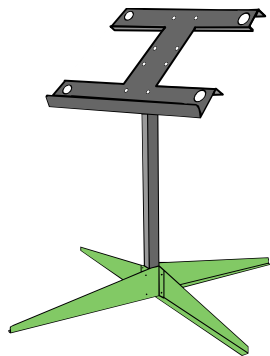
VRS

Vastex Registration System

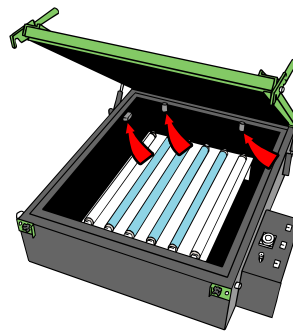
Users Manual



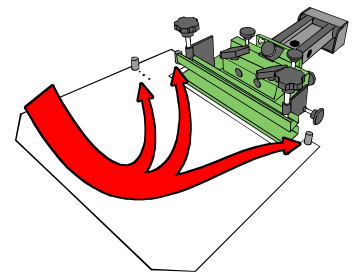
Pin Board



Pin Board Stand (optional)



Exposing Unit



Pallet Jig

Introduction:

Thank you for purchasing a Vastex VRS System.

Registrations systems are a method for accurately locating art work onto screens and into your printer.

Vastex offers VRS systems for manual presses and automatic presses.

Several factors that determine the proper VRS system for your press are manual or automatic press, exposing unit, pallet size, screen clamps and screen size.

This manual covers the setup and operation of your registration system.

Components of a Registration System:

- Pin Board
- Pin Board Stand (optional)
- Pallet Jig
- Clear carrier sheets
- Registration Pins (anchor pins)
- Carrier sheet punch (optional)
- Tape
- Double sided tape (for registration systems not using Vastex Exposit Unit)

Tool Required:

- (1) 9/16" Wrench
- (2) 7/16" Wrench (for optional pin board stand)
- (1) Carpenters square & Straight edge (for installing anchor pins on Vastex exposing unit)

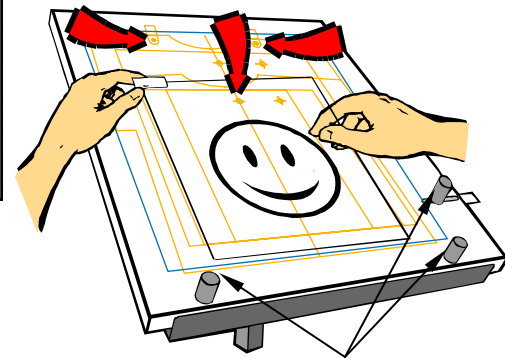
Illustrations of components within this manual may be shown different than your actual components.

Assemble the Pin Board:

The anchor pins and tabs have been attached at the factory. The screen stops need to be installed onto the pin board. Pin boards for manual presses have two fixed screen stops at the bottom and one adjustable screen stop at the side. Pin boards for automatic presses have one screen stop at the bottom and two screen stops at the sides.

1. Three screen stops need to be attached to the pin board. Attach each screen stop with a 3/8" bolt, flat washer, and lock washer.
2. Adjust the side stop on pin boards for manual presses so that your screen is centered over the printed image on the pin board. Pin boards for automatics do not have adjustable side stops.

The pin board is now ready to be used.

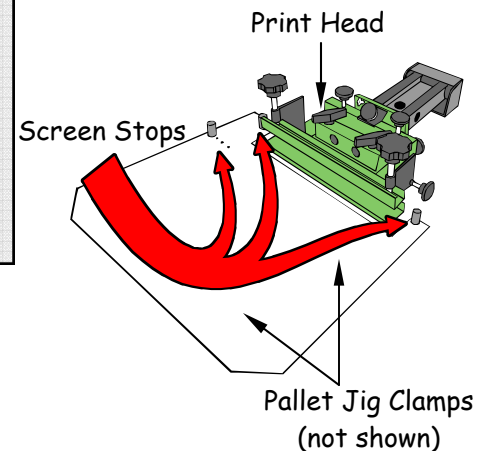


Screen Stops
Pin Board
(manual version shown)

Assemble the Pallet:

The pallet jig side clamps have been installed at the factory. These clamps are used to fasten the jig to your pallet. Pallet jigs for manual presses have two fixed screen stops at the back and an adjustable screen stop at the side. Pallet jigs for automatic presses have one adjustable screen stop at the back and two fixed screen stops at the side.

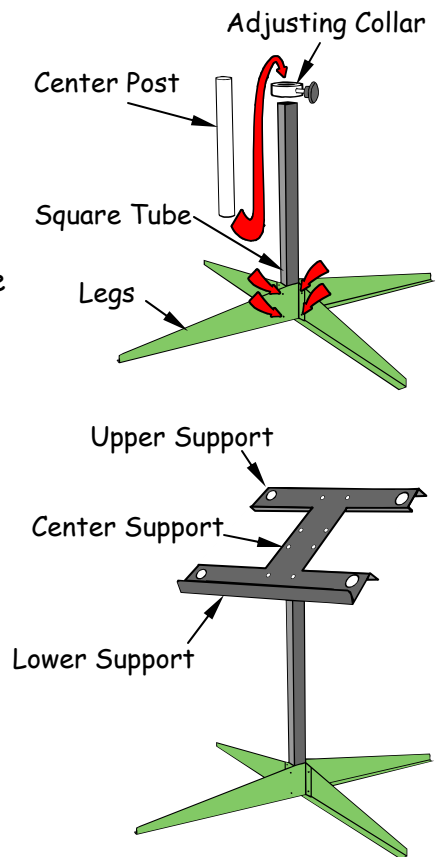
1. Three screen stops need to be attached to the pallet jig. Attach each screen stop with a 3/8" bolt, flat washer, and lock washer.
2. Position the side screen stop, on the pallet jig for manual presses, so that your screen is centered over your pallet. The back screen stop, on the pallet jig for automatic presses, can be set for proper screen engagement into the fixed screen clamp when installing screens into your printer.



Pallet Jig
(manual version shown)

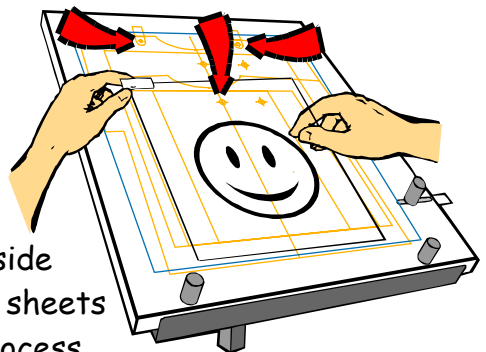
Assemble the Pin Board Stand:

1. On a flat surface position the four legs creating a square opening in the center. Use the eight 1/4" bolts, lock washers and nuts to fasten the legs together, do not tighten. Slide the square tube into the opening of the legs until it stops at the bottom. Tighten the bolts a little at a time until the tube is held tightly.
2. Attach the upper and lower support to the center support using four 1/4" bolts, lock washers and nuts.
3. Attach the center post to the center support using the four 1/4" bolts, lock washers and nuts.
4. Slide the adjusting collar onto the center post assembly and insert the post into the square tube.
5. Adjust the stand height by carefully loosening the locking knob on the adjusting collar and raising or lowering the center post in the square tube.
6. The pin board rubber feet fit into the round openings in the upper frame.



Using the Pin Board:

1. Place a single carrier sheet onto the pin board. Use the grid and pallet outline on the pin board to position the positive onto the carrier sheet. Tape the positive to the carrier sheet. The tape must be outside the image area. Continue stacking additional carrier sheets and positives. Checking alignment throughout the process.
2. If using the Vastex Exposit 2227 or 4427, each carrier sheet and positive can be carefully removed from the anchor pins and are ready to be exposed. For all other exposing units it is necessary to attach the carrier sheet and positive to each screen using double sided tape. On pin boards for manual presses, adjust the side screen stop to position the center of your screen over the shirt center line indicated on the pin board. Pin boards for automatic presses have fixed side stops that have been positioned to center your specific screen width. Apply several pieces of double sided tape onto the carrier sheet and positive, but outside of the image area.
3. Carefully align a screen against the three screen stop and lower the screen onto the positive. Push down firmly on the screen over the double sided tape. The screen, positive, and carrier sheet can now be removed from the pin board and exposed. Continue attaching each positive to a separate screen. Screens are now ready to be exposed.



Exposing Screens:

Vastex Exposit 2227 & 4427

If the carrier sheet anchor pins have been factory installed proceed to expose your positives as follows. If the anchor pins need to be installed on your Vastex Exposit see sheet 5 for anchor pin installation. When using 20" wide screens a screen spacer needs to be positioned against the left side screen stop to center the screen between the anchor pins.

1. Attach a single carrier sheet with its positive to the anchor pins in the exposing unit. Carefully align a screen against the three screen stop and lower it onto the positive.
2. Gently push the screen against all three screen stops while lowering the exposit lid. Lock the lid closed, set the timer and expose your screen. Expose all remaining screens.

All other exposing units:

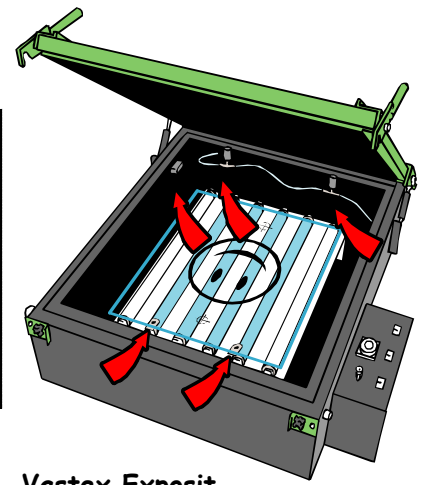
1. Carefully position the screen with carrier sheet and positive in the center of your exposing unit glass. Check that all the tape is outside the image area and the positive and screen are flat against the glass. Lock the lid closed, set the timer and expose your screen. Expose all remaining screens.

Screens are now ready to be installed onto your press.

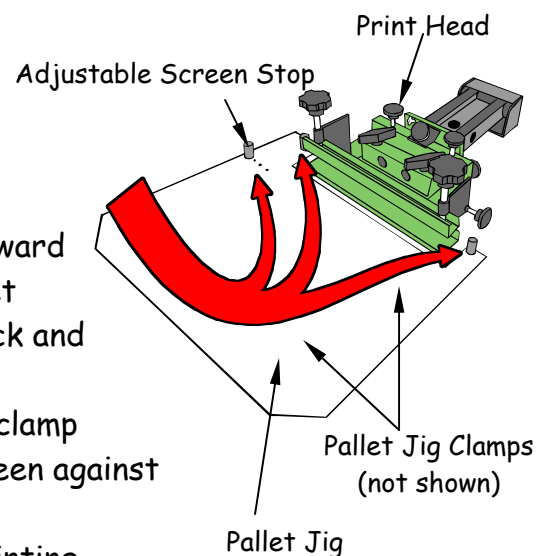
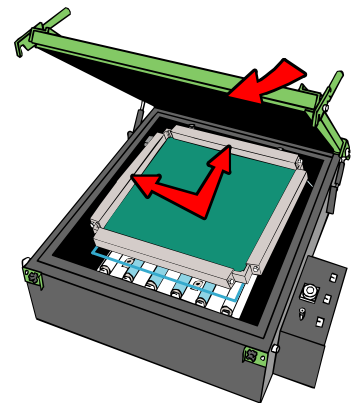
Pallet Jig:

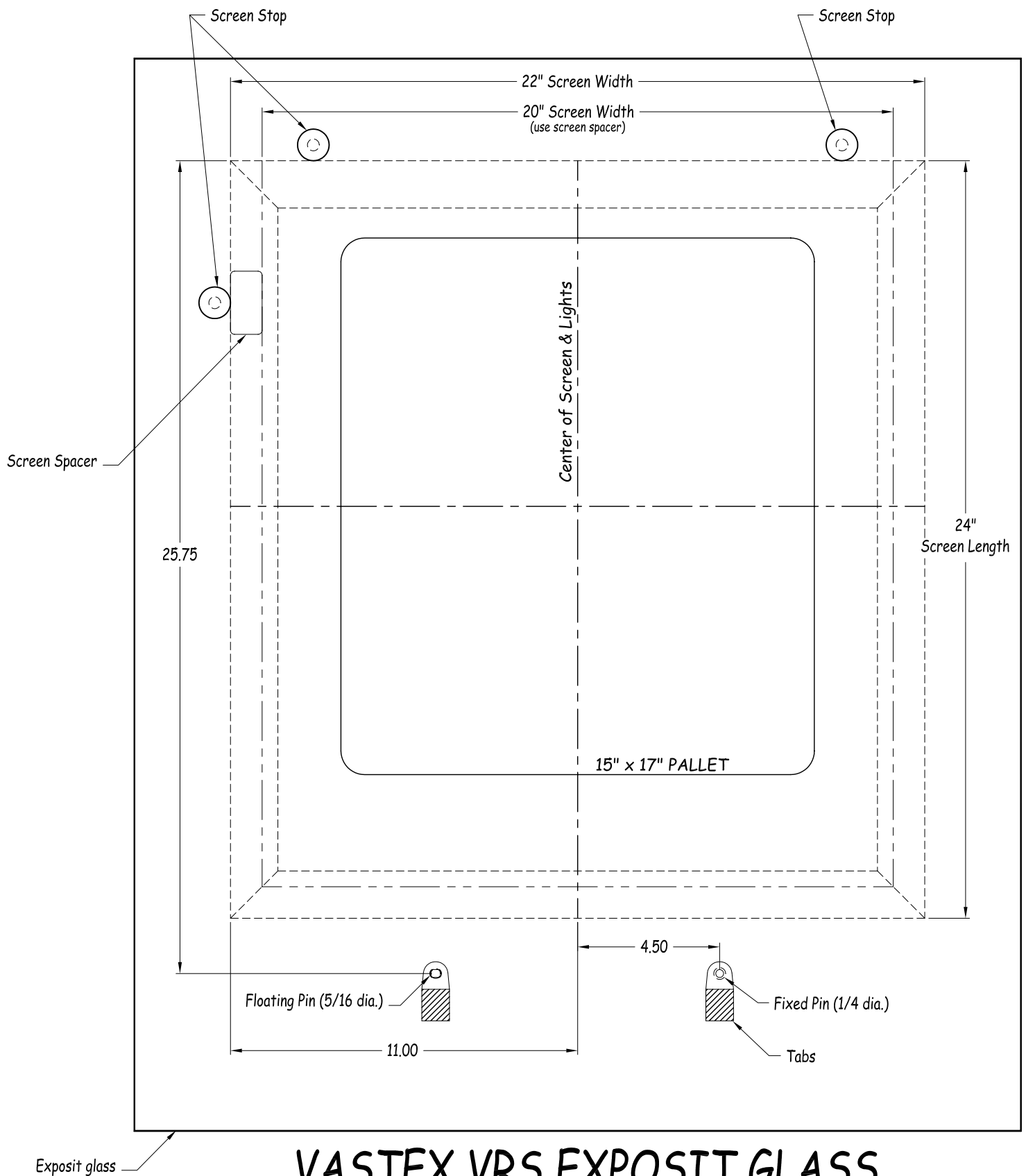
The pallet jig is used to accurately install the screens into your printer. Pallet jigs are available for various pallet sizes. The pallet jig has three screen stops to match the pin board and two side clamps for attaching to the press pallet.

1. Position pallet jig over a printer pallet. Pull the jig toward the operator while tightening the two right side pallet locking knobs. Make sure jig is seated against the back and left side of pallet.
2. Lower the print head. Place a screen into the screen clamp and gently push back and toward the left to seat screen against the three screen stops. Lock screen in place.
3. Install remaining screens in the correct order for printing.
4. Remove pallet jig and you are ready to test print. Use the print head micro adjustment if needed.



Vastex Exposit
w/ Anchor Pins & Screen Stops





VASTEX VRS EXPOSIT GLASS

- 1.) Insert the pins & tabs into a carrier sheet to aid in attaching the tabs onto the exposit glass.
- 2.) Use a straight edge and a square help position the pin & tabs.
- 3.) Attach the fixed pin first, then center the floating pin within its slot and attach it.

Note: Do Not use screens wider than 22" & longer than 27" in Exposit 2227
(repositioning of tabs may be necessary for screens longer than 25")