WORKHORSE PRODUCTS

PRECISION SCREEN PRINTING EQUIPMENT

Owner's Manual

FREEDOM EXPRESS

Model: FXP-68-PC

PN: 67-1505 REV : 216

Introduction

Congratulations on your purchase of the FREEDOM EXPRESS.

Check the crate for damages. DO NOT accept the crate if there are any damages caused by improper handling during shipping. Immediately report any damages to the carrier and contact Workhorse Products at, 800-778-8779.

Be sure to inspect the crate contents immediately, while the carrier is still present. Even though our packaging has been designed to handle normal shipping conditions, we cannot foresee damages done by the carrier. We will not be responsible for damages that occur during transportation.

If there are damages immediately notify the driver, file a claim with the carrier and call Workhorse Products.

The Importance of the Owner's Manual:

The purpose of the Owner's Manual is to familiarize you with the parts and operations of the FREEDOM EXPRESS.

Introduction

MODEL #	FREEDOM AUTOMATIC PRESS
FRDXP68C	6 Color, 8 Station Pneumatic Index, Pneumatic Heads Max Print Area: 15X15" (38X41CM) W/ Max Screen Size: 20X208" (51X71CM) Power: Electric 110V, 50-60HZ, 3 AMPS; Air 110 PSI (7.6 BAR), 23 CFM (651 L/M) Diameter: 10' (3M) Weight 1,500 Lbs(681KG) Speed 400-500 (35-45 Doz) Per Hour

FREEDOM EXPRESS ROLL IN FLASHBACK FLASH CURING UNIT

XFB-1620	Flashback: 16X20" (41X51CM) Power: 220V, 50-60HZ, 4,400 Watts, 20 AMP

FREEDOM EXPRESS PLUG N GO QUARTZ FLASHES

XQF-1810	Quartz Flash: 16X18" (41X46CM) Power: 1 Phase, 220V, 55 AMPS
XQF-1820	Quartz Flash: 16X18" (41X46CM) Power: 3 Phase, 220V, 32 AMPS

Introduction

Operation of Machine

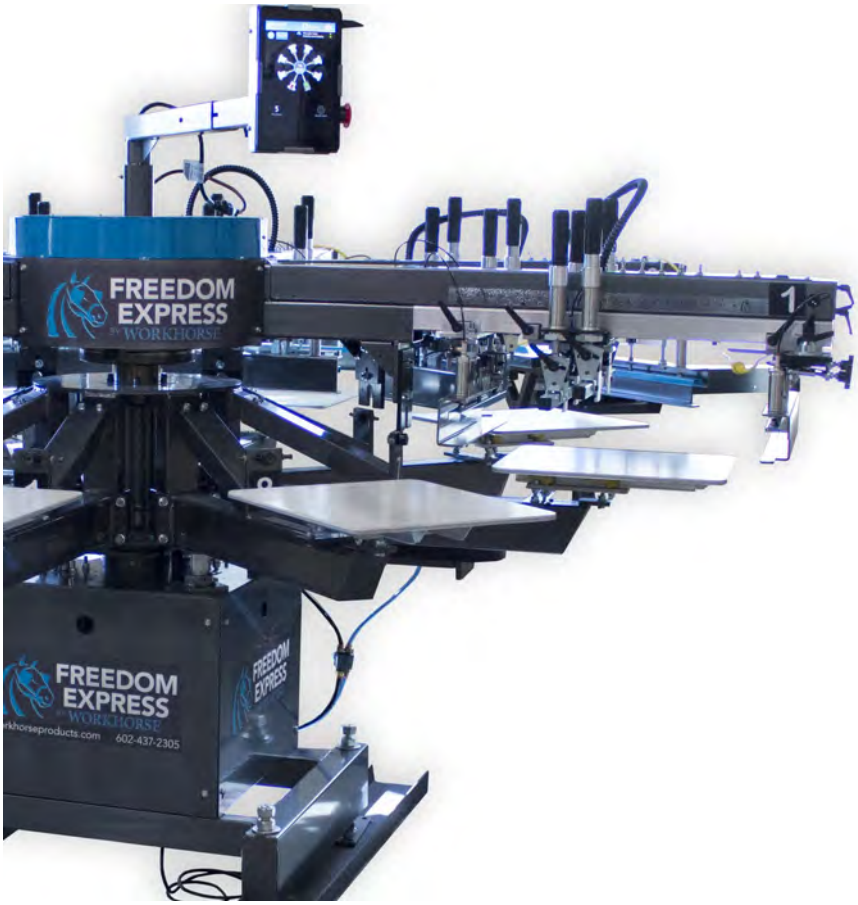
The Freedom Express incorporates modern electronic technology with sophisticated pneumatic indexing and an extremely precise registration system. The Freedom Express also provides smooth and efficient operation with excellent print quality and unsurpassed functionality. It is important that the operation and maintenance of your new machine follow the guidelines specified in this manual. The guidelines are specific to the intended function of the machine (textile screen printing); any use, other than the intended function, will void your warranty and may result in personal injury. Compliance with the operation, maintenance and safety guidelines of the machine will ensure years of trouble-free printing.

Before Beginning Operation

Throughout this manual, references will be made to features, functions, and controls used in the day-to-day operation of the machine.

Safety Guidelines

The Freedom Express has been designed to give years of reliable service. It is essential that operators be alerted to the safe operation of this machine, and the practices to avoid what could lead to serious injury. The following safety guidelines are necessary for the safe installation, operation, and maintenance of the machine.



Introduction

Workhorse Products has set forth all efforts to design and manufacture safe and dependable machines. However, it is impossible to predict all situations and circumstances that may cause dangerous conditions. Workhorse Products requires all operators and maintenance personnel use every means possible to ensure the safe operation of the machine. This will in turn ensure the safety of the personnel.

Following are the fundamental safety guidelines:

Installation:

- o Adequate power supplies (electrical and pneumatic) should be installed and connected by certified technicians.
- o The machine should be located in an area with sufficient room to operate.
- o The machine should be secured to the floor.

Operation:

- o The area around the machine should be maintained in a clean and obstacle free condition.
- o The Freedom Express should only be operated according to the specifications of the machine.
- o The operator should make a visual inspection of the machine before operating.
- o Safety devices should be inspected daily.
- o If the machine does not appear to be functioning properly, immediately stop the operation and attend to all issues/concerns.
- o The machine should NEVER be operated unless all safety precautions and devices are in place.
- o Maintain a safe distance from all moving parts.
- o Loose clothing should not be worn while operating the machine.
- o Operators should wear any/all safety equipment necessary to operate the machine.
- o Maintain proper settings and adjustments for operation of machine.
- o NEVER attempt to enter into or crawl under the machine while it is in operation.
- o Clear the machine of all garments, ink, and potential hazards at the end of the day.
- o Maintain a copy of the Operation & Maintenance Manual within reasonable distance to the machine.

Maintenance:

- o Equipment modifications are not allowed without written consent from Workhorse Products.
- o All power supplies should be turned off while performing machine maintenance.
- o Maintenance of all power supplies (electrical and pneumatic) should be performed by certified technicians.
- o Only qualified personnel should perform machine maintenance.
- o Maintenance questions/issues/concerns should be directed to Workhorse Products..

The machine operator is responsible for compliance with all safety guidelines set forth as well as the use of general industry safety precautions. Person and property damage claims are disqualified if operators fail to follow safety guidelines.

Safety Procedure

WARNING

RISK OF ELECTRICAL SHOCK! Turn ALL power to unit OFF before service.

All service should be done by, or under the supervision of a trained technician.

SAFETY FIRST:

Safety is essential to properly utilize the FREEDOM EXPRESS. The equipment is made of heavy moving parts and if the safety precautions are not observed, serious injury could occur.

DURING AN EMERGENCY SITUATION:

Push the emergency stop button or disconnect the safety cables.

- DO NOT operate this equipment without the functional safety cables in place.
- DO NOT allow anybody who is untrained come within three feet of the equipment.
- DO NOT allow children near the equipment at any time.
- DO NOT leave the equipment unattended while operating.
- DO NOT operate the equipment without vocal warning. For example, “CLEAR” or “READY”.
- DO NOT operate without visual inspection to ensure there are no personnel within the operational area of the equipment.
- ALWAYS disconnect the power source when crawling under the equipment, especially when going under the safety cable.

1. MAIN AIR LOCKOUT VALVE: A special lockout valve has been provided as an added safety precaution. It is located before the main filter/regulator. The valve has a padlock hole and allows for a padlock to be inserted, preventing air from being supplied to the equipment.

2. SAFETY CABLE: The safety cable is the yellow cable that wraps around the perimeter of the equipment. If disconnected the main control’s power will be cut and air will be emptied from the machine by the main dump valve.

Specifications

Max Print Area: 15” x 16” (38 x 41cm) with Max Screen Size 20” x 28” (51x71cm)

Electrical Power 110V, 50-60HZ, 3 amps

Air Requirements: 110psi (7.6 Bar), 23cfm (651 L/m)

Diameter: 10” (3M), Weight 1,500 lbs (681 kg) Speed 400-500 (35-45doz.) Per hour

THIS PRODUCT IS INTENDED FOR INDOOR USE ONLY

Touchscreen Control

The image below shows what the FREEDOM EXPRESS looks like when shut off. The power button on the top-right is how to turn on/off the machine. There is no physical on/off button. This is controlled virtually on the screen.

There are a number of functions that can be performed on the "off" screen:

1. The power button on the top right-hand corner will turn the machine on, and will supply power to all of the devices connected to the machine. The display will then change screens to "Manual Mode", and show every print head.

2. Next to the power button is the language button, which changes the language of the machine.

3. To the left of the language button is the systems button, which contains:

- "Restart" - Will restart the machine if needed. This button should not be used on a regular basis.
- "Change Time" - Change the date and time on the machine.
- "Configure Wi-Fi" - Opens the Wi-Fi configuration menu, where the machine can connect to Wi-Fi. When connected the press can receive updates, communicate with the cloud, and allow for remote trouble shooting.
- "Check for Updates" - Will check the Workhorse Cloud System for any updates for the firmware on the machine. This only works when the machine is connected to Wi-Fi.
- "Close" - Will close the sub-menu and switch to the "off" screen.

Touchscreen Control

To access the "Printing Mode" menu, touch the circle at the top-left hand corner of the screen (directly under the Workhorse Products label). The circle will contain either a letter or number, which symbolizes the print mode that is currently on.

The "Printing Mode" menu contains four operation modes:

1.

M — "Manual" mode is typically used to set up the press. This mode gives the operator complete control of the press functions.

2.

A—"Full Auto" mode will automatically index the machine after the prior print sequence has finished. This mode eliminates the use of the foot pedal or the "Continue" button, to begin the next print sequence. In "Full Auto" mode the foot pedal acts as a "Skip Shirt" button.

Touchscreen Control

3.

P —"Auto w/Pedal" mode will only allow the machine to begin the next print sequence when the foot pedal is used, or the "Continue" button is pressed.

4.

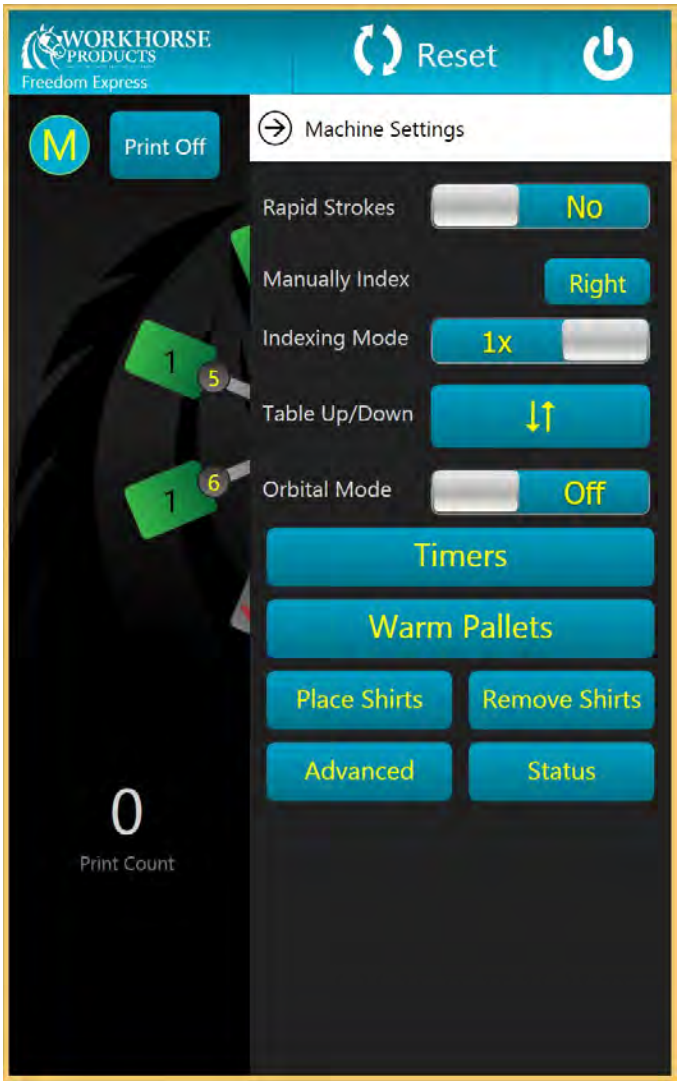
1 — "Sample Print" mode allows one item to be sent around the machine to guarantee that the setup is correct.

The buttons on the bottom of the screen will change according to the "Print Mode" selected. These buttons signify the basic functions needed when printing:

- "Begin" will start a new print job, and sequentially print and flash on the heads that are turned-on.
- "Pause" will pause a print job at any time. To resume, press this button again.
- "Finish" will sequentially turn-off the print and flash heads as the last item is finishing.
- "Skip Shirt" while in "Full Auto" mode, this function makes it possible to not place an item on a pallet. As it indexes, the machine will not print or flash on the chosen pallet (the foot pedal serves this same purpose).
- "Continue" while in "Auto w/ Pallet" mode, this button will continue the print sequence (the foot pedal serves this same function).

Touchscreen Control

The “Reset” button on the top-right on the screen (next to the power button), is to reset the index mechanism as well as the print arm stroke.



The “Machine Settings” button is located in the very center of the screen (the very center of the graphic of the press). It will open the “Machine Settings” menu, where the following can be set:

“Rapid Strokes” - This function will not lower the table between multiple print strokes on the same head. The item will remain against the screen as the head floods the ink, and prints again. The “Rapid Stroke” function can create a significant increase in productivity.

“Manually Index” - Will allow the operator to immediately index the machine in the chosen direction.

“Indexing Mode” - This function allows the operator to index one or two (double-indexing), pallets at a time.

“Table Up/Down” - Will immediately raise or lower the pallets.

“Orbital Mode” - A mode that allows the operator to send garments around the press multiple times to maximize print heads and flash capabilities.

“Timers” - Opens the “Timers” page, which will be discussed on page 12.

“Warm Pallets” - The machine will index and the flash heads will cycle on and off to bring the pallets up to an ambient temperature to begin production.

“Place Shirt on All Pallets” - This function will tell the machine that a shirt is loaded on every pallet, which is signified by a shirt icon on the pallet. The “Place Shirts” function is useful if stopping a job midstream is needed to clear shirts.

“Remove All Shirts” - This function will tell the machine that the operator has removed all shirts from each pallet, which is signified by the lack of the shirt icon on each pallet. The “Remove Shirts” function is useful when a job has been terminated mid-stream.

“Advanced” - This function will bring the operator to the “Advanced Settings” menu.

“Status” - Shows the current status of all the inputs and outputs of the machine.

Touchscreen Control

"Active" - This button is used to activate or deactivate the print head. An active print head will appear in green, whereas an inactive print head will be red. An inactive print head will not perform any functions during a print sequence.

"Place Shirt" - This button will virtually place a shirt under the specific print head, which is signified by the shirt graphic. This tells the machine there is a shirt ready to be printed under its head.

"Strokes" - This button allows the operator to set up multiple print strokes on that head. Press on "1 Stroke(s)" button to make a sub menu appear, which allows the operator to enter the desired amount of strokes. Press the green checkmark to save the number.

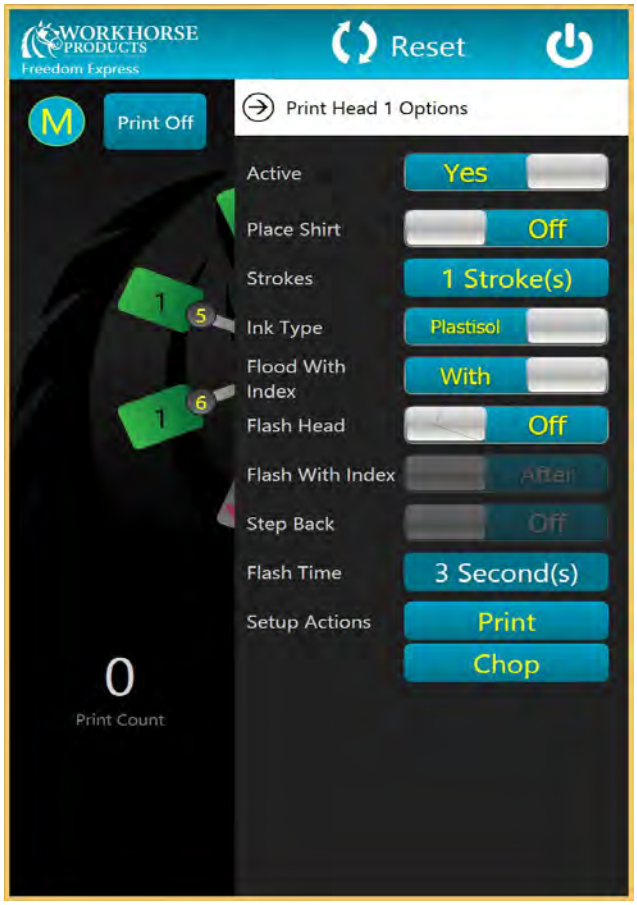
"Ink Type" - This button lets the operator set up the ink as water based or plastisol. This function is helpful with determining when the head should flood. The water based setting is designed to minimize drying issues with water based ink.

"Flood With Index" - This button will direct the head to flood the screen while indexing. The selection of "With" will significantly increase the productivity of the machine.

"Flash Head" - By selecting this button the operator is telling the machine there is a flash setup under its print head, and that it should never flood or print on this head.

This button is only necessary when working with a Workhorse Flashback in the heads-up position, a non-Workhorse quartz flash, or any other flash unit that does not plug into the end of the print head. With a Workhorse Quartz Flash or Flashback, the operator can simply plug in to the end of the print head and the system will automatically recognize a flash has been inserted. Whether the operator presses the "On" button or inserts a Workhorse Flash Curing Unit, an icon of a lightening bolt will appear on the digital print head.

To access the "Print Options" menu, press on the specific print head that needs to be adjusted. In this menu the following can be set:



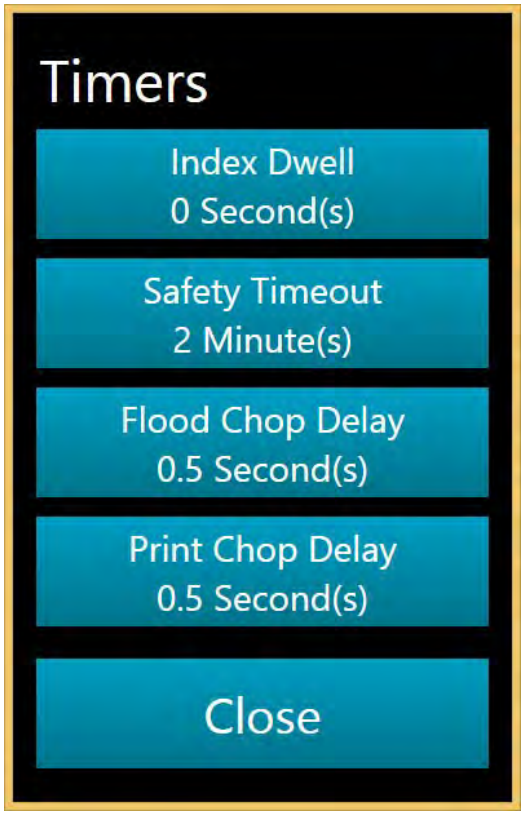
"Flash with Index" - This button will tell the machine that the operator wants to begin the flash cycle as the index cycle begins. The "Flash with Index" function can help increase productivity by heating-up the flash, so when the garments arrive the flash is pre-heated.

"Flash Time" - When selected, a pop-up window with a number pad will appear, which allows the operator to enter the number of seconds they wish to flash. If using a Workhorse Quartz Flash, it will automatically flash on it's own amount of time. If using a Workhorse Flashback or a non-Workhorse flash, this will tell the machine that it should not lower the table until the timer has been met.

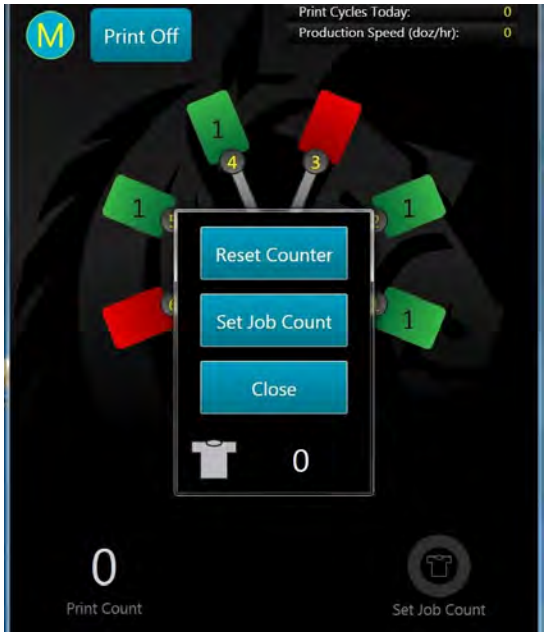
"Print"/ "Flash " - This button will immediately cycle the print sequence for this print head only. The head will either print or flash, depending on the settings.

Touchscreen Control

The "Timers" menu allows the operator to set timers that can be used to slow down the press for one reason or another. Below is a description of each timer:



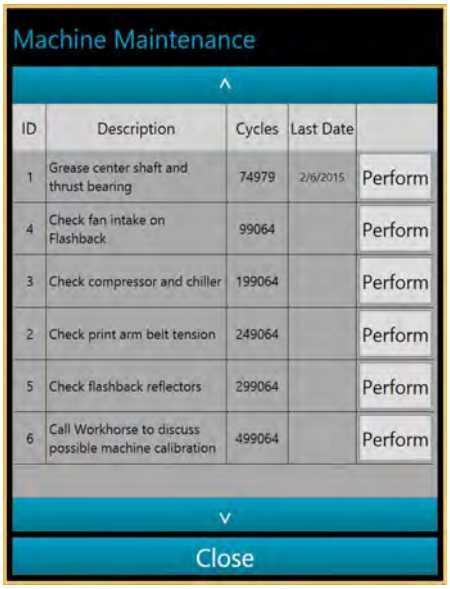
- "Index Dwell" - Used to delay the machine before it indexes again in (A) "Full Auto" mode. This function can slow the machine down in case the operator is unable to unload/load the press in time before the print cycle completes.
- "Safety Timeout" - Will automatically disable the foot pedal from starting a print sequence while in (P) "Auto w/ Pedal" mode. This occurs if the pedal has not been pressed within the same amount of time.
- "Flood Chop Delay" - Will delay the flood carriage from moving after the print and chop sequence has completed.
- "Print Chop Delay" - Will delay the print carriage from moving after the flood and chop sequence has completed.
- "Close" - This will close the sub-menu.



To access the "Counter" menu, press the round shirt button next to the current print job count. A sub-menu will appear with the following functions:

- "Reset Counter" - Will set the counter back to zero.
- "Set Job Count" - This function allows the operator to select the number of items to be printed before a warning appears, and pauses the machine.
- "Close" - This will close the sub-menu.

Touchscreen Control



The "Troubleshooting" menu is very important, because it can help fix any issue that may arise with the press. This feature captures detailed information of the machine's functions and logs it, so the operator and Workhorse technical support are capable of quickly recognizing a problem.

The **"Machine Maintenance"** section will send reminders to preform regular maintenance to keep the machine running trouble free for years.

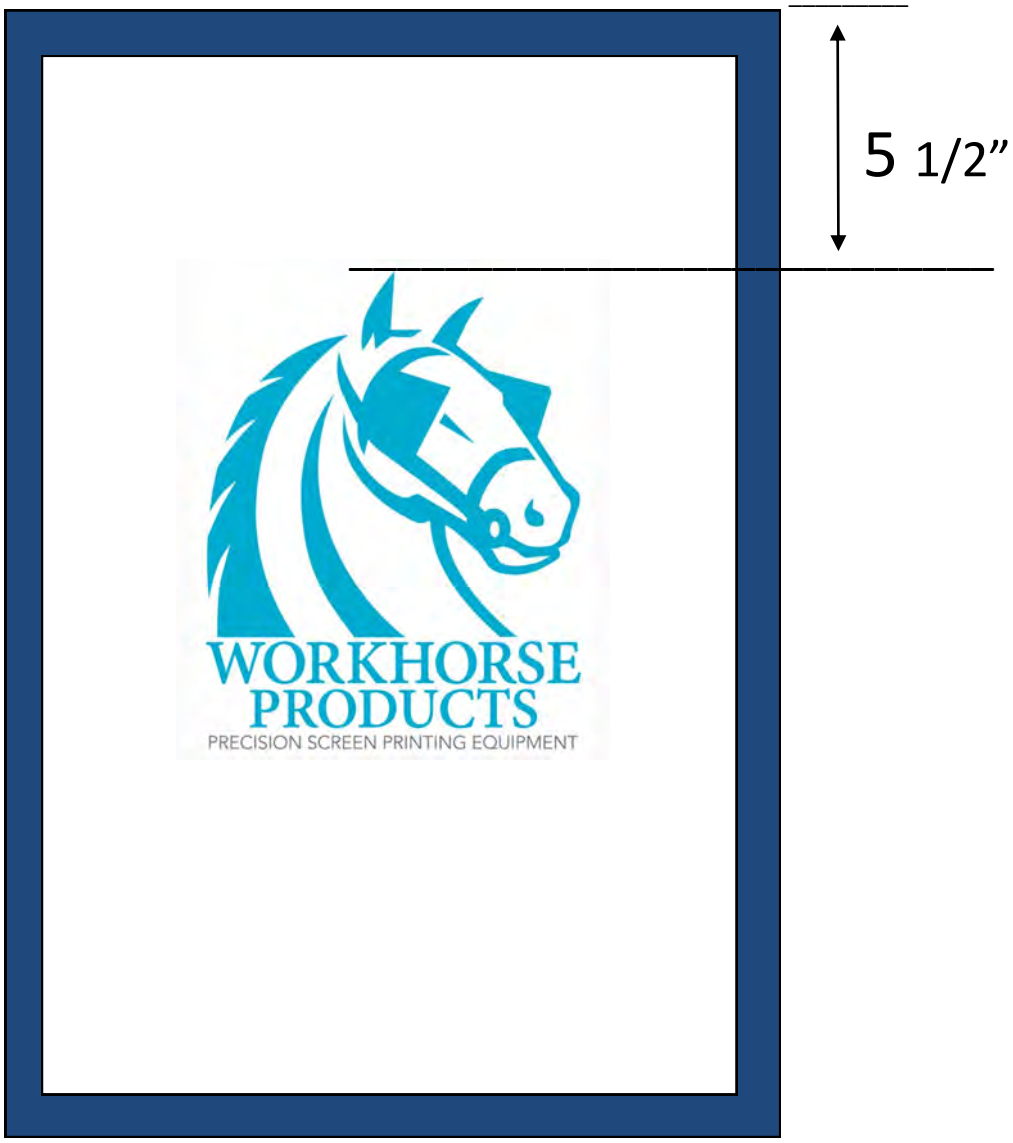
The **"Print Arms"** section gives the operator the ability to change the physical I/O ports for each print head. This function is useful in case there is an issue with one of the I/O ports on the press. If required, Workhorse technical support is capable of helping with this function.

The lower portion of this page shows the status of all physical inputs in real-time, which can be useful with troubleshooting a potential sensor issue. If required, Workhorse technical support is capable of helping with this function.

INPUT00	**Arm 1 In Position**	OUTPUT00	**Arm 1 Stroke Valve**
INPUT01	**Arm 2 In Position**	OUTPUT01	**Arm 2 Stroke Valve**
INPUT02	**Arm 3 In Position**	OUTPUT02	**Arm 3 Stroke Valve**
INPUT03	**Arm 4 In Position**	OUTPUT03	**Arm 4 Stroke Valve**
INPUT04	**Arm 5 In Position**	OUTPUT04	**Arm 5 Stroke Valve**
INPUT05	**Arm 6 In Position**	OUTPUT05	**Arm 6 Stroke Valve**
INPUT06	**Not Used**	OUTPUT06	**Not Used**
INPUT07	**Not Used**	OUTPUT07	**Not Used**
INPUT08	**Not Used**	OUTPUT08	**Not Used**
INPUT09	**Not Used**	OUTPUT09	**Not Used**
INPUT10	**Not Used**	OUTPUT10	**Not Used**
INPUT11	**Not Used**	OUTPUT11	**Not Used**
INPUT12	**Not Used**	OUTPUT12	**Not Used**
INPUT13	**Not Used**	OUTPUT13	**Not Used**
INPUT14	**Not Used**	OUTPUT14	**Not Used**
INPUT15	**Not Used**	OUTPUT15	**Not Used**
INPUT16	**Arm 1 Flash Not Plugged In**	OUTPUT16	**Arm 1 Flash Output**
INPUT17	**Arm 2 Flash Not Plugged In**	OUTPUT17	**Arm 2 Flash Output**
INPUT18	**Arm 3 Flash Not Plugged In**	OUTPUT18	**Arm 3 Flash Output**
INPUT19	**Arm 4 Flash Not Plugged In**	OUTPUT19	**Arm 4 Flash Output**
INPUT20	**Arm 5 Flash Not Plugged In**	OUTPUT20	**Arm 5 Flash Output**
INPUT21	**Arm 6 Flash Not Plugged In**	OUTPUT21	**Arm 6 Flash Output**
INPUT22	**Not Used**	OUTPUT22	**Not Used**
INPUT23	**Not Used**	OUTPUT23	**Not Used**
INPUT24	**Missing Shirt/Index Pedal**	OUTPUT24	**Not Used**
INPUT25	**Not Used**	OUTPUT25	**Not Used**
INPUT26	**Table Up Sensor**	OUTPUT26	**Table Up Valve**
INPUT27	**Table In Position Sensor**	OUTPUT27	**Index Cycle Valve**
INPUT28	**Not Used**	OUTPUT28	**Index Fork Valve**
INPUT29	**Not Used**	OUTPUT29	**Not Used**
INPUT30	**EStop Disengaged**	OUTPUT30	**Print On Valve**
INPUT31	**Safety Cable**	OUTPUT31	**Chopper Valve**

Close

Image Placement

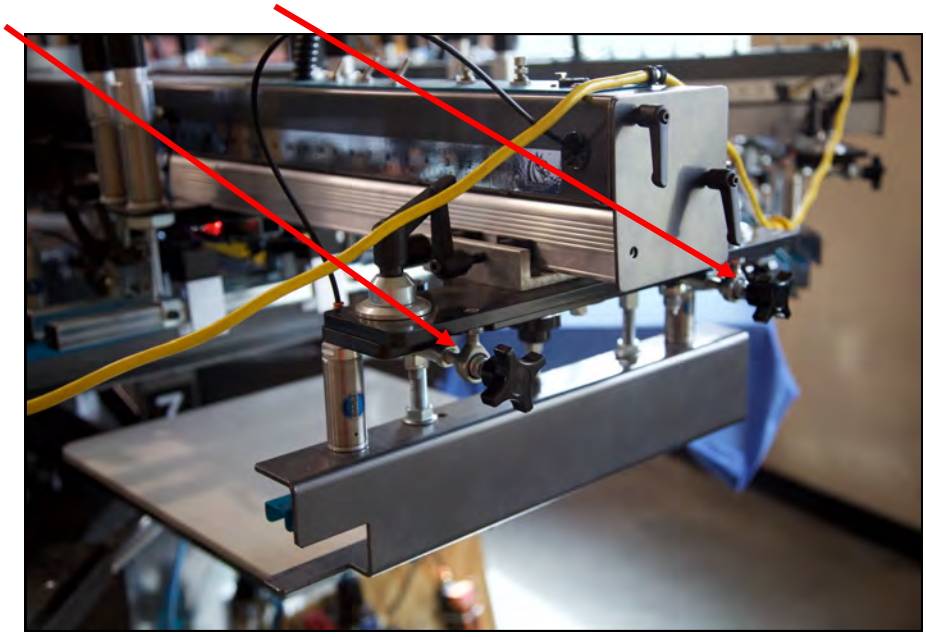


Workhorse Products Screen Suggestions:

- It is necessary to pre-register screens when burning them for an automatic machine.
- The image must be centered, (left to right).
- The highest printed part of the total image should not be closer than five-and-a-half inches from the top outside edge of the screen’s frame.
- The goal of pre-registration is to be capable of stacking three screens of a three-color job and being able to see the registration when looking through them.
- Keep within one-eighth of an inch when burning screens.
- If a job requires more than a few dozen shirts, tape the entire back of the screen within an inch of the image area. This will minimize emulsion breakdown.
- Be sure to recognize the area where the squeegee rests at both ends and cover it.
- Recognize the edges of the screen, where the squeegee runs when flooding and printing. Be sure to cover this area.

Micro Registration

MICRO LOCKING HANDLES: Loosen the handles to move the screen and perform the micro adjustments.

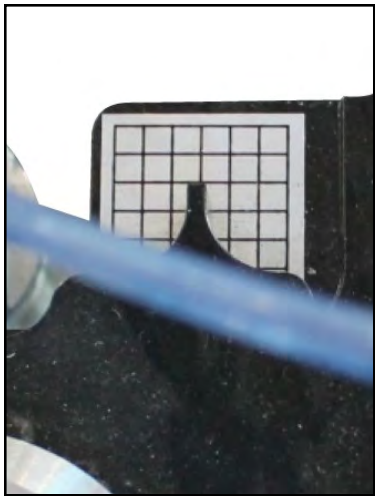


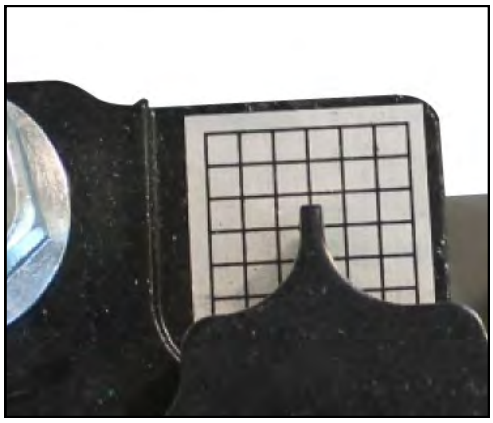
FRONT MICRO LEFT / RIGHT ADJUSTMENT: Turning this knob counter clockwise causes the image to move left on the shirt. Turning this knob clockwise causes the image to move right on the shirt.

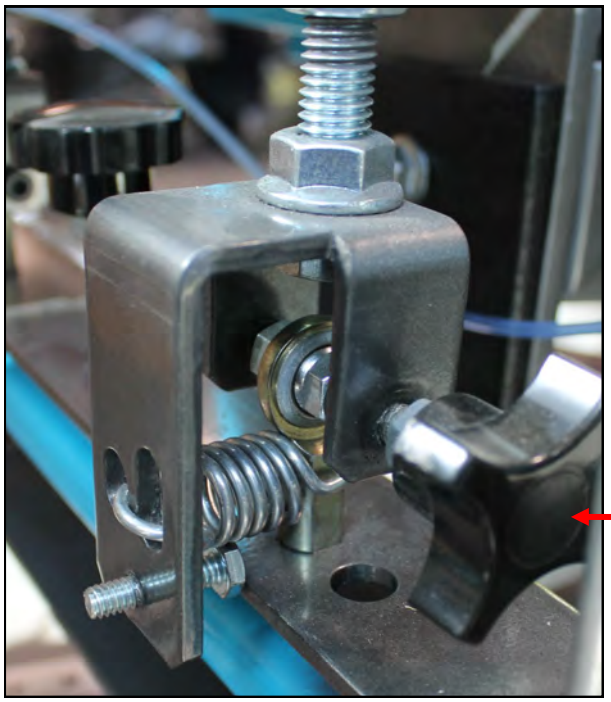
FRONT MICRO UP / DOWN ADJUSTMENT: Turning this knob to the left causes the image to move down the shirt. Turning this knob to the right causes the image to move up the shirt.

Micro Registration

Before setting up a job, adjust the knobs so that the arrow is in the center of the square. The micro centered signifies that the operator has plenty of micro adjustment to properly register the job.



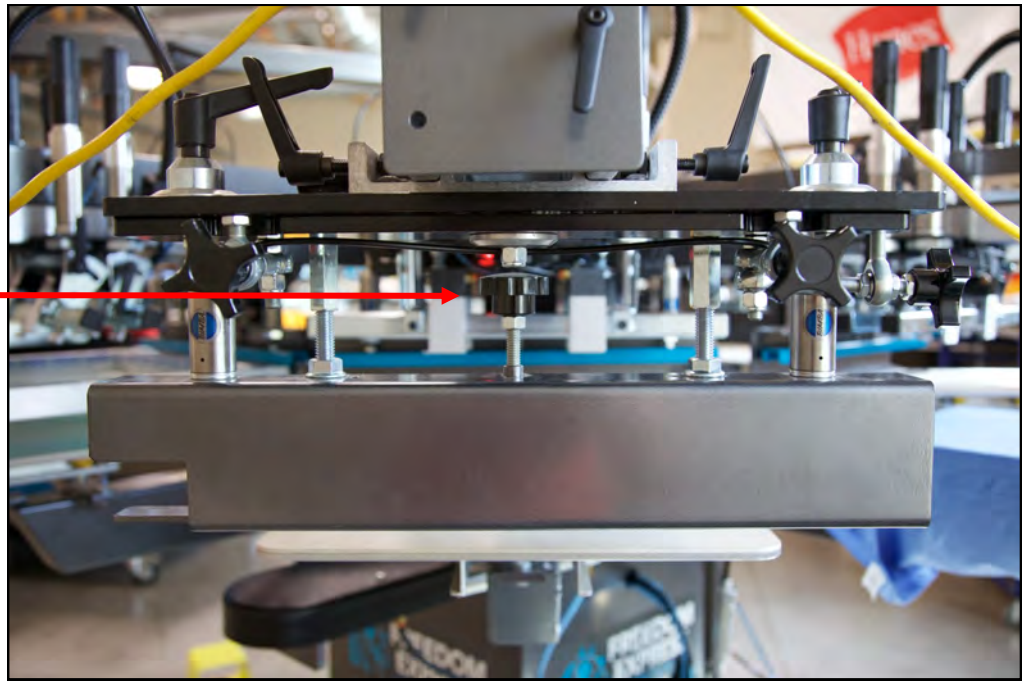


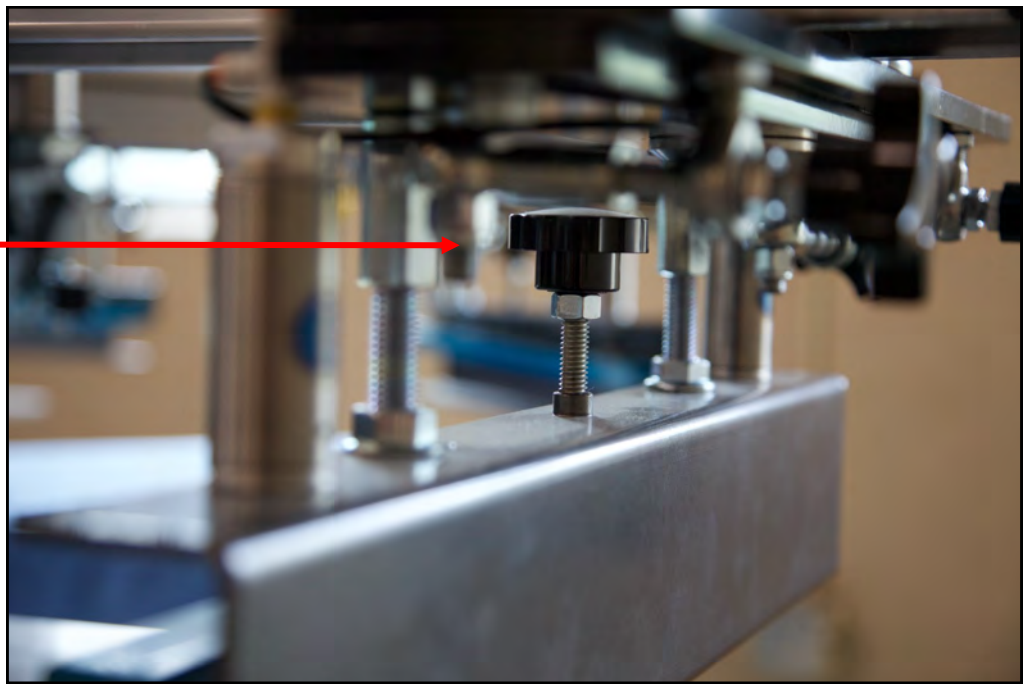


The rear micro is equipped with side-to-side adjustments for small settings. Turn the knob counter-clockwise and the screen will move to the right. Turn the knob clockwise and the screen will move to the left.

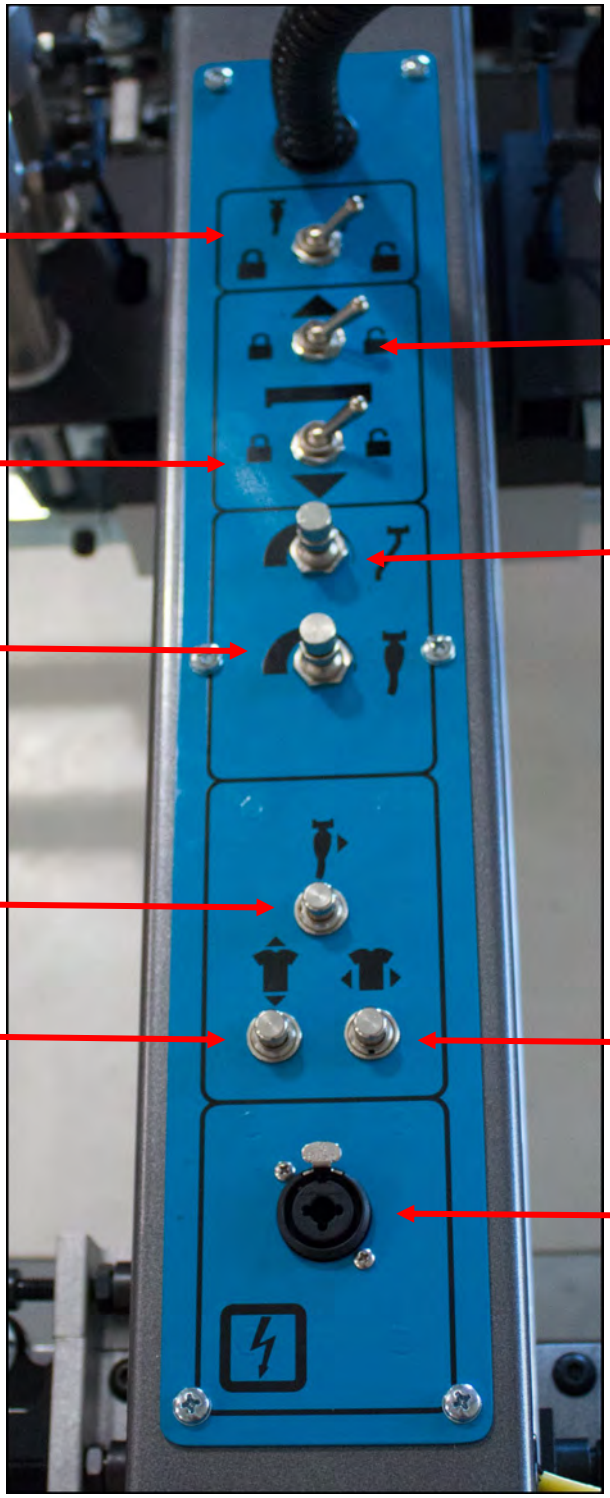
Screen Clamps

After the screen has been aligned, notice that both screen clamps on the head have a manual lockdown to hold the screen in registration. The control panel on top of the print head can trigger the pneumatic cylinders that hold down the clamp bars.





Print Head Controls



Squeegee and Floodbar Pneumatic Lock

Front Screen Clamp Lock or Unlock

Print Speed Control

Print

Table Up/Down

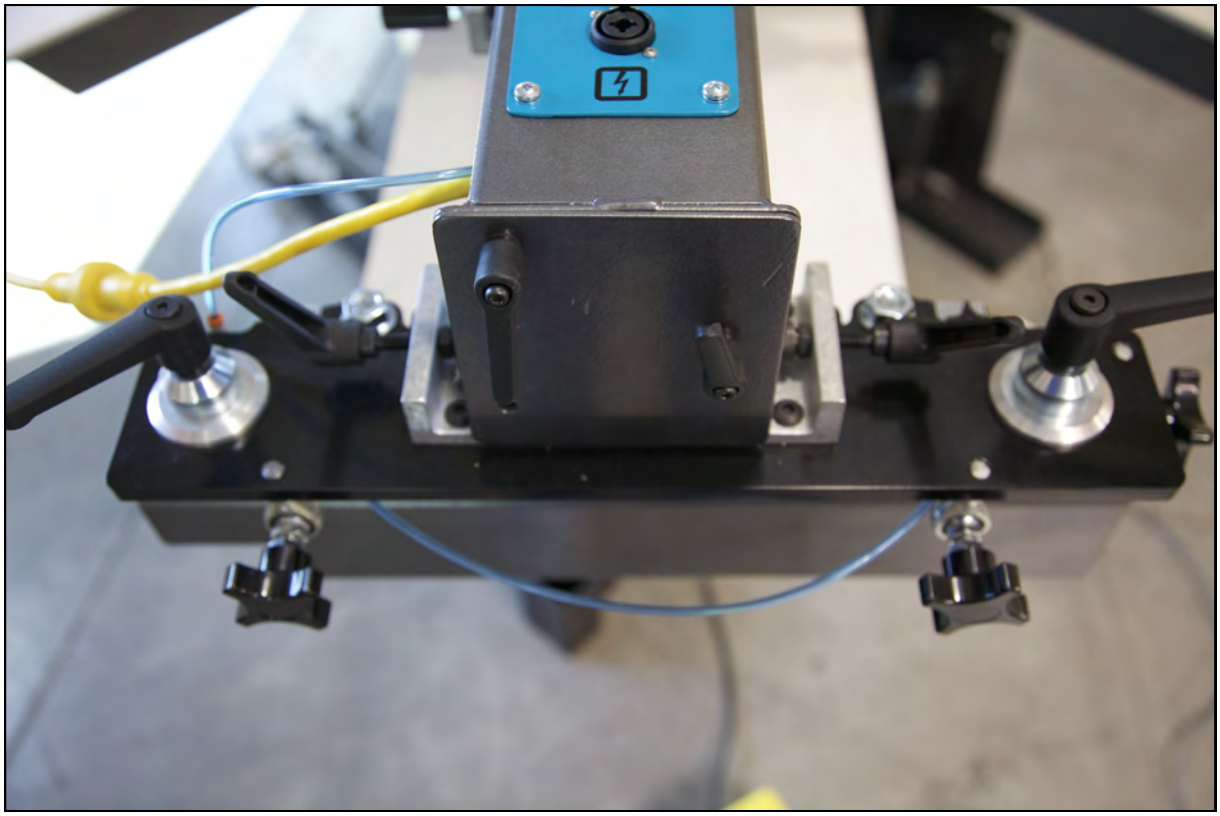
Rear Screen Clamp Lock or Unlock

Flood Speed Control

Table Rotate

Quartz Flash Connection

Screen Clamp Removal



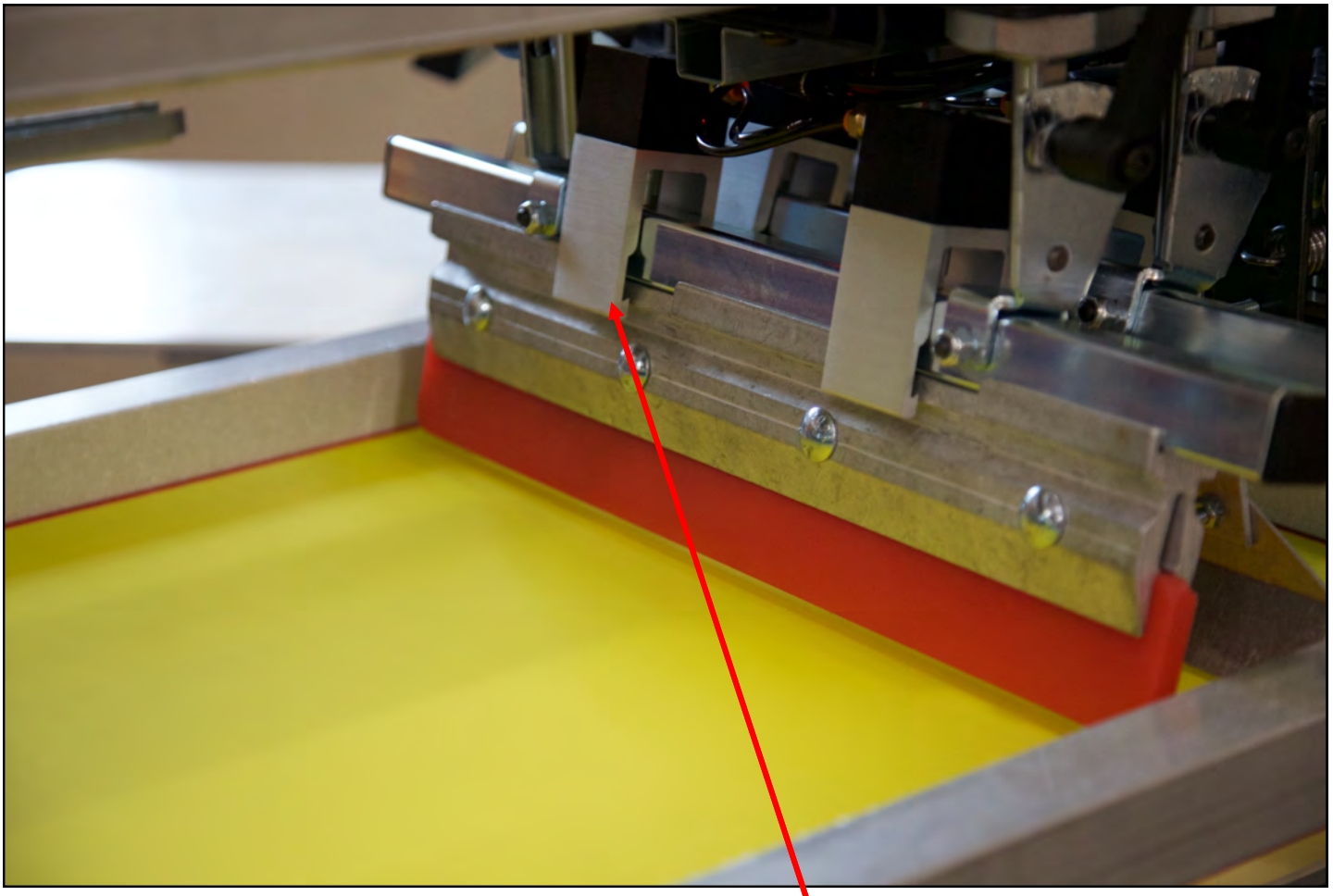
It is necessary to remove the front screen clamps when installing:

1. Workhorse Quartz Flash
2. Manual Flash
3. Non-Workhorse Flash
4. Workhorse Flashback (only in the table up position)

Directions to Remove the Screen Clamp:

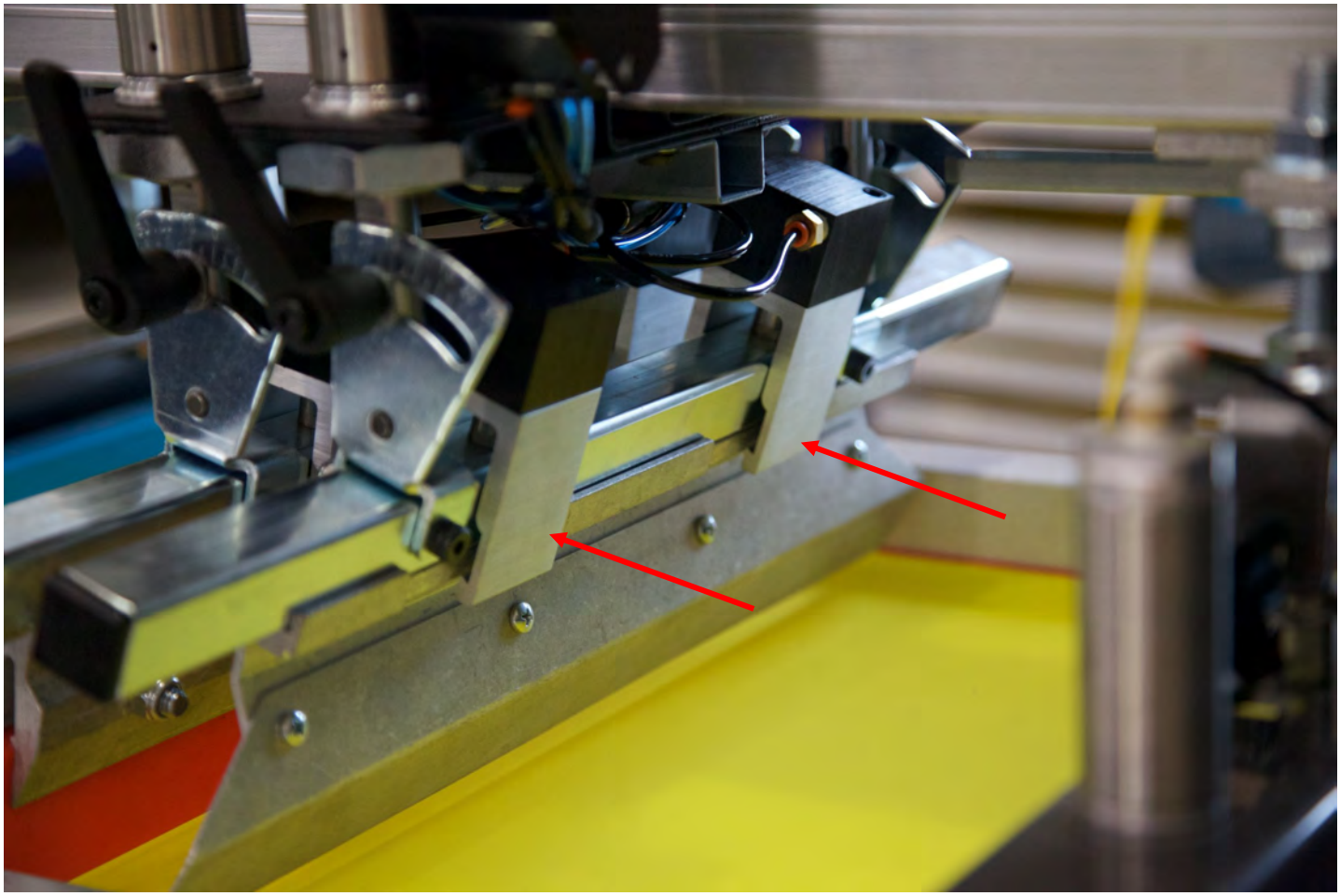
1. Unscrew the two locking levers at the front of the print head.
2. Remove the two airlines from the pneumatic locking clamps by pressing on the colored ring of the air fitting, while simultaneously pulling back on the air tube.
3. Slide the screen clamp out of the end of the print head.
4. Store in a safe place where it will not be damaged.

Squeegee and Floodbar



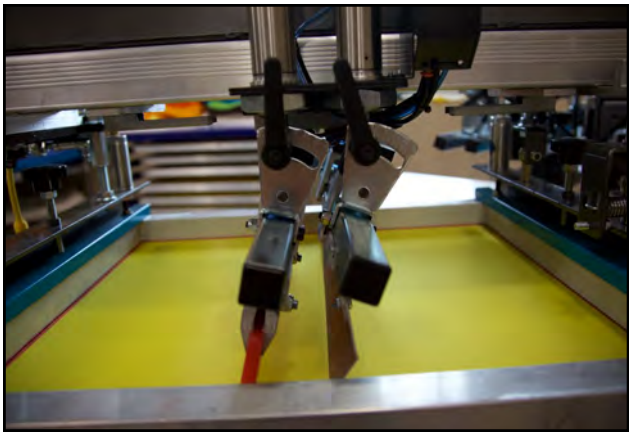
To install the squeegee and floodbar, align the notch in the top of the squeegee and floodbar with the clamps and slide to the left. Install the floodbar first, followed by the squeegee. Lock the squeegee and floodbar into position using the switch located on the print head control panel.

Squeegee and Floodbar



This image shows the backside of a floodbar. Notice the notches and clamp cylinder lockdowns for installation.

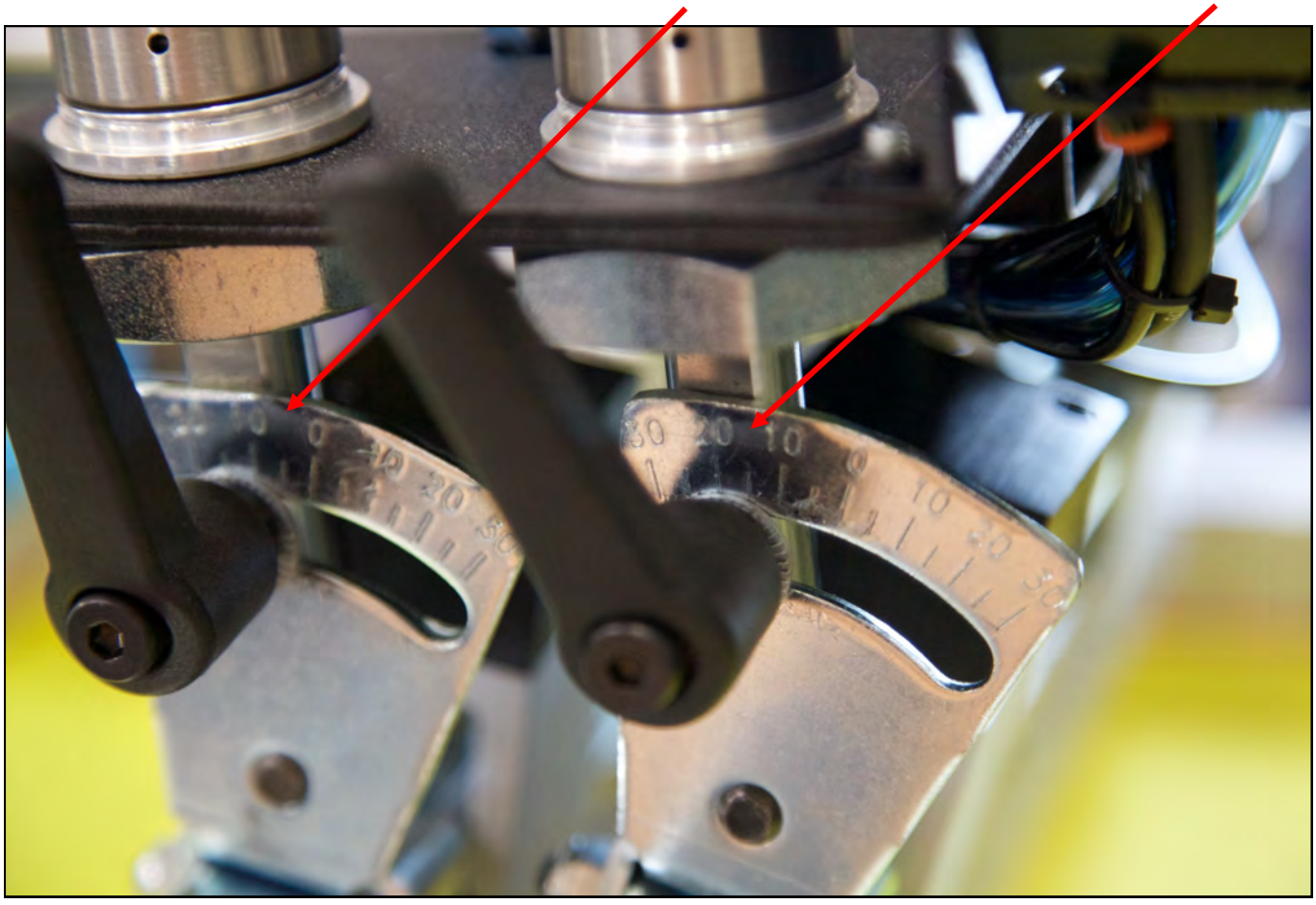
Chopper Adjustments



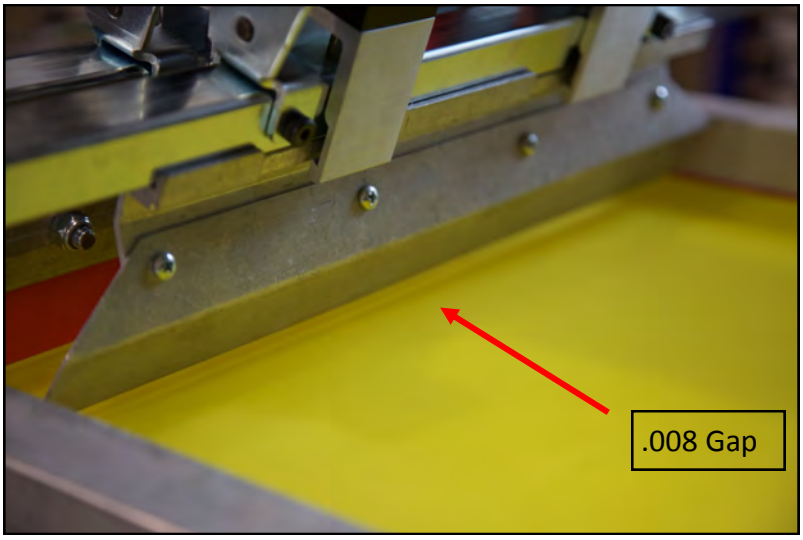
After the installation of the squeegee and floodbar the next step is setting the angle. Even though not all jobs are set at the same angle, setting up 10 degrees on the squeegee and 20 degrees on the floodbar is a good starting point.

To change the angles, loosen the black levers on the side and twist the bar that the squeegee and floodbar are mounted on. Once it's in the desired position, tighten the levers.

For reference, look at the picture on the bottom. In this picture the squeegee angle is set at 10 degrees, and the floodbar is set at 20 degrees.



Chopper Adjustments

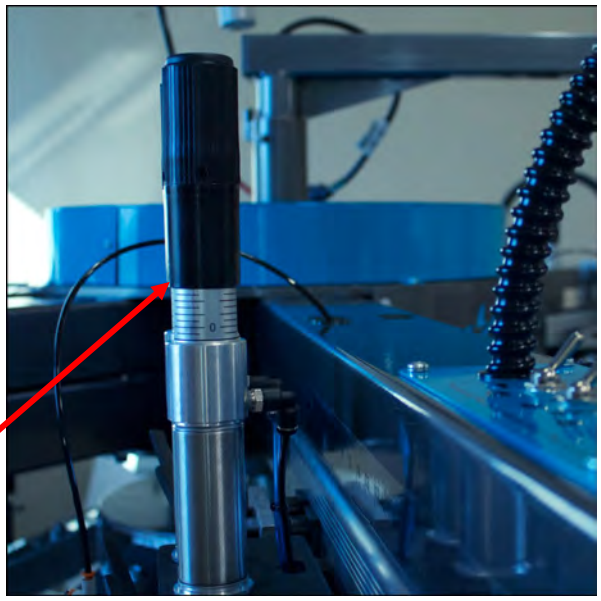


After installing the squeegee and floodbar, the pressure must be set. Setting proper pressure to the floodbar is very important. Be aware that too much downward pressure can cause the screen to tear.

To set the pressure:

1. Push the pressure knobs down. Be sure to check the floodbar so that it is not pressing down on the mesh.
2. Adjust pressure knobs so the floodbar has a gap of .008 from the mesh.
3. Test the flood and make adjustments accordingly.
4. Pull the carriage forward to check if the flood coats the screen properly.
5. If the angle of the squeegee has changed, the floodbar pressure will also have changed. Review the floodbar pressure to avoid tearing the screen mesh.

To add or remove pressure, turn the black knob on top of the chopper cylinders. Turn the knob clockwise to lower the gap on measurement. The lower the gap, the shorter the stroke, and the less amount of pressure can be applied.



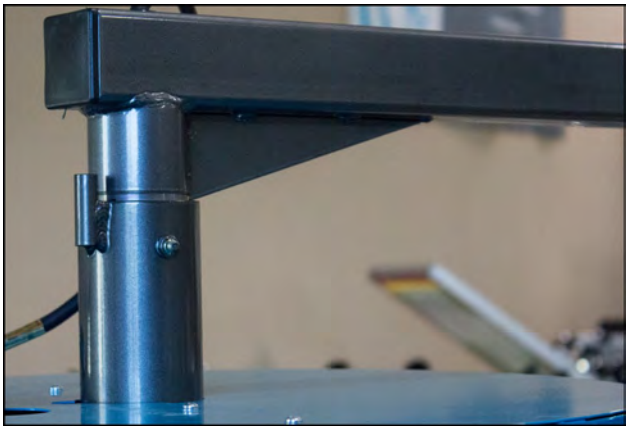
Off Contact

The FREEDOM EXPRESS has a unique centralized off contact system. It is possible to rotate the center plate by turning the black knob, (as seen in the picture above). Rotating this knob will increase/decrease the gap between the screen and platen.

Control Arm

The telescopic adjustment is capable of moving in or out, which will adjust the view of the control screen.

The pivot point allows the arm to rotate 180 degrees in either direction This makes the control screen accessible from all print heads.



Pallet Leveling

What is needed:

- Two 9/16” combination wrenches.
- Two 1” square 31” long steel tubing, OR 31” long screen frame with mesh.

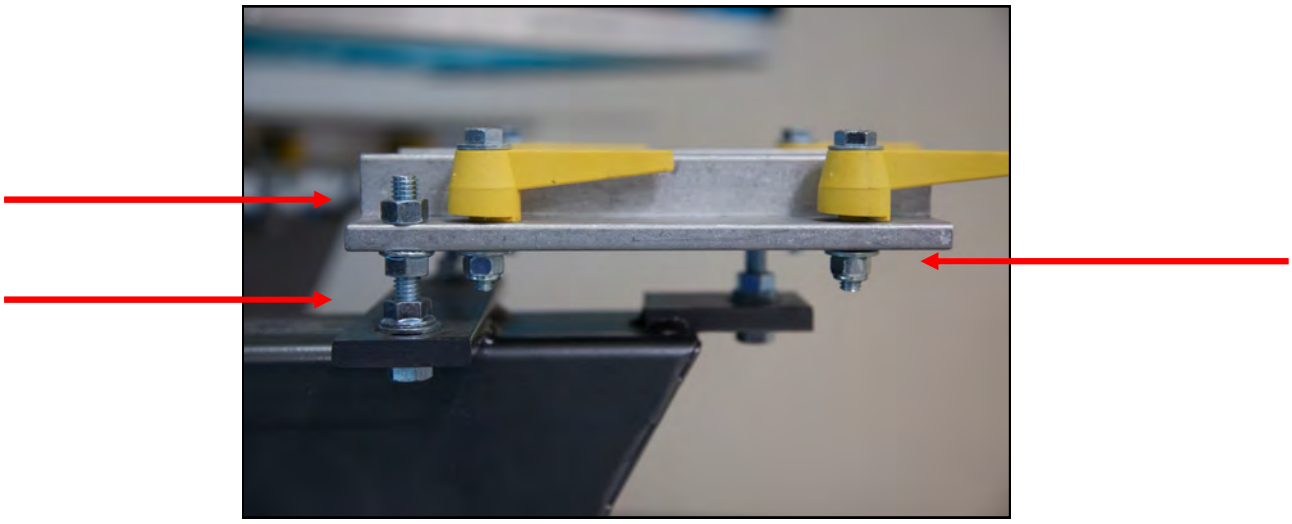
Set-Up Inspection:

Insert a 31" screen OR two pieces of 1” steel tubing into the screen clamps. When using steel tubing, align the outside edges of the steel one inch from the outside edges of the screen clamp. When using a screen, install normally. In Manual mode raise the table. Be sure to visually inspect the off contact between the steel (or screen frame) and the pallet.

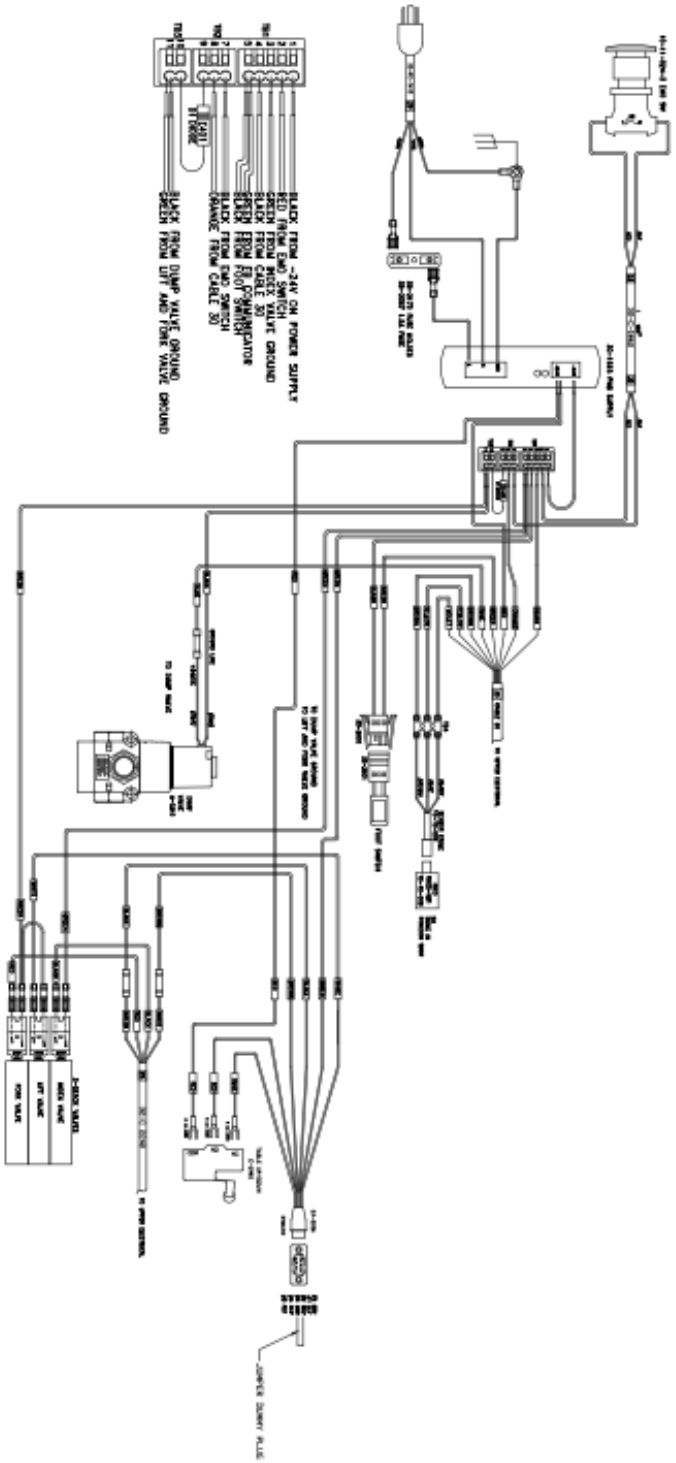
If the pallet is not leveled with steel tubing or the screen, use the following procedure:

1. Loosen the uppermost nuts on top of the aluminum pallet .
2. Use a 9/16” wrench to raise the pallet. Then use the other 9/16” nut on the bottom side of the aluminum pallet base to raise the pallet.
3. If needed, loosen the uppermost nuts on the pallet leveling bolt.
4. To lower the pallet use the same nut on the bottom side that was used to raise it. Turn the nut in the opposite direction.
5. After raising/lowering the pallet, tighten the uppermost nut that’s located on top of the aluminum pallet base.

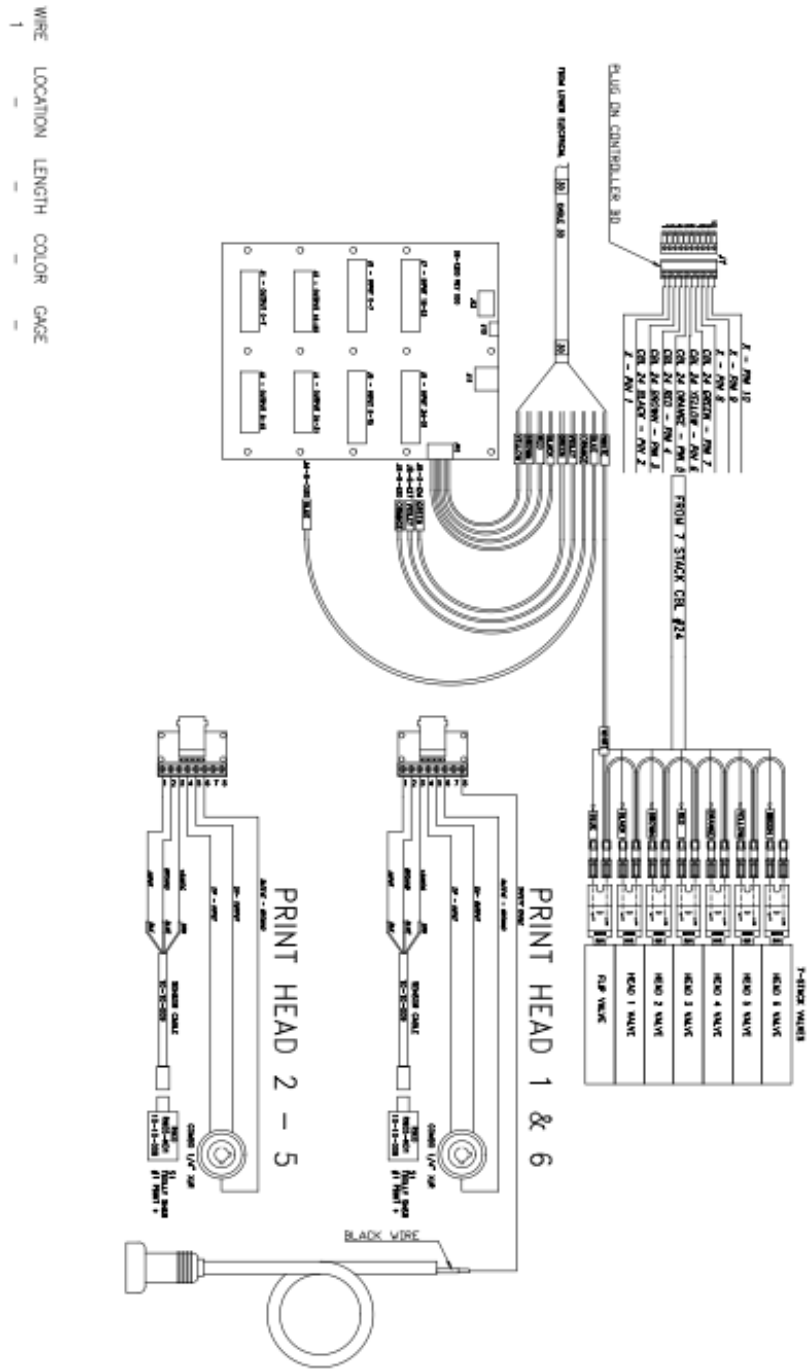
Important: All pallets must be leveled to the same print head. The three leveling bolts are attached to the holding brackets which are secured to the press. The holes for the three leveling bolts are slotted making it possible to move the pallet side-to-side. After all of the pallets are leveled, adjust the off contact on the remaining heads to the same pallet.



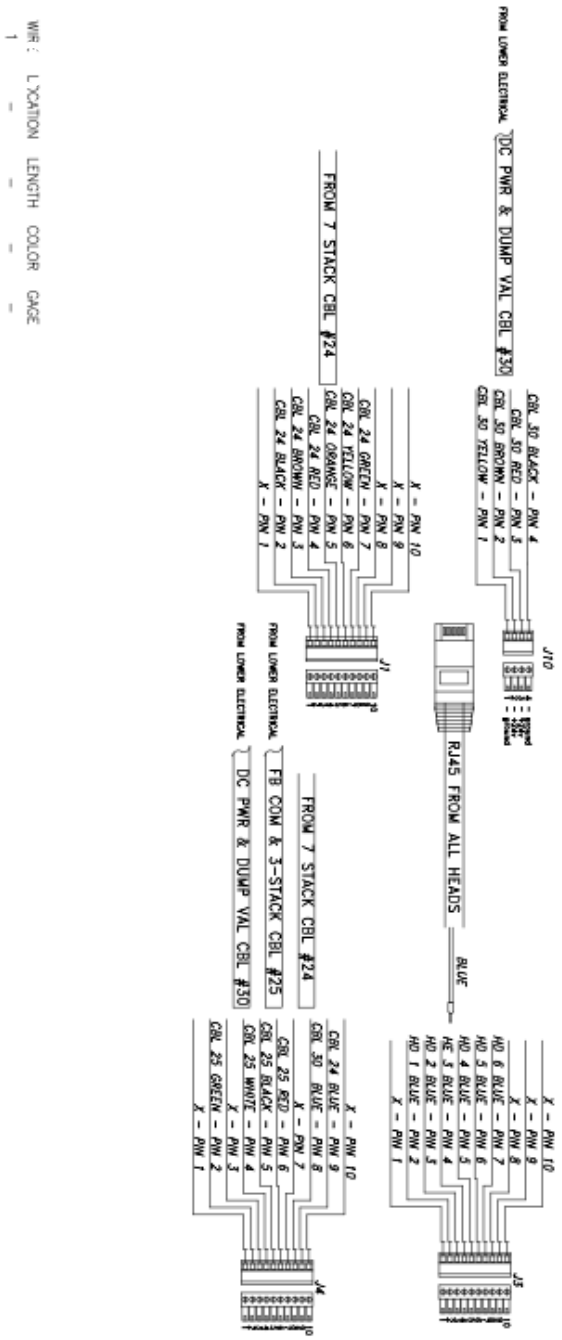
Wire Diagram



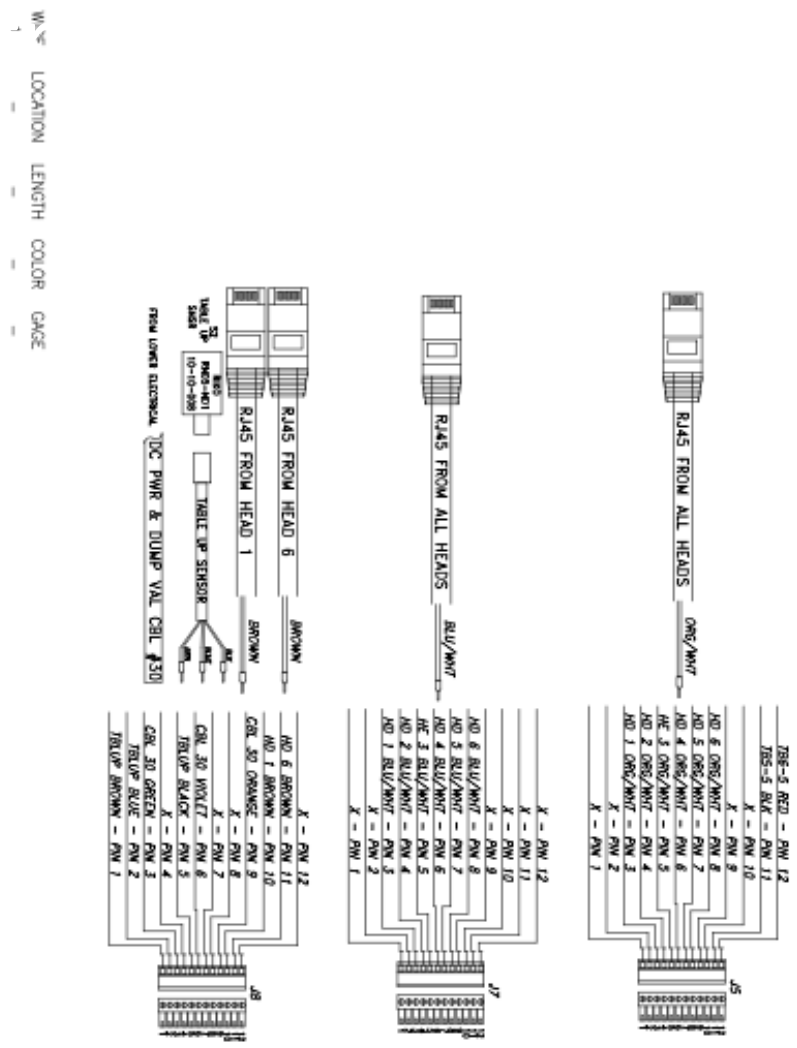
Wire Diagram



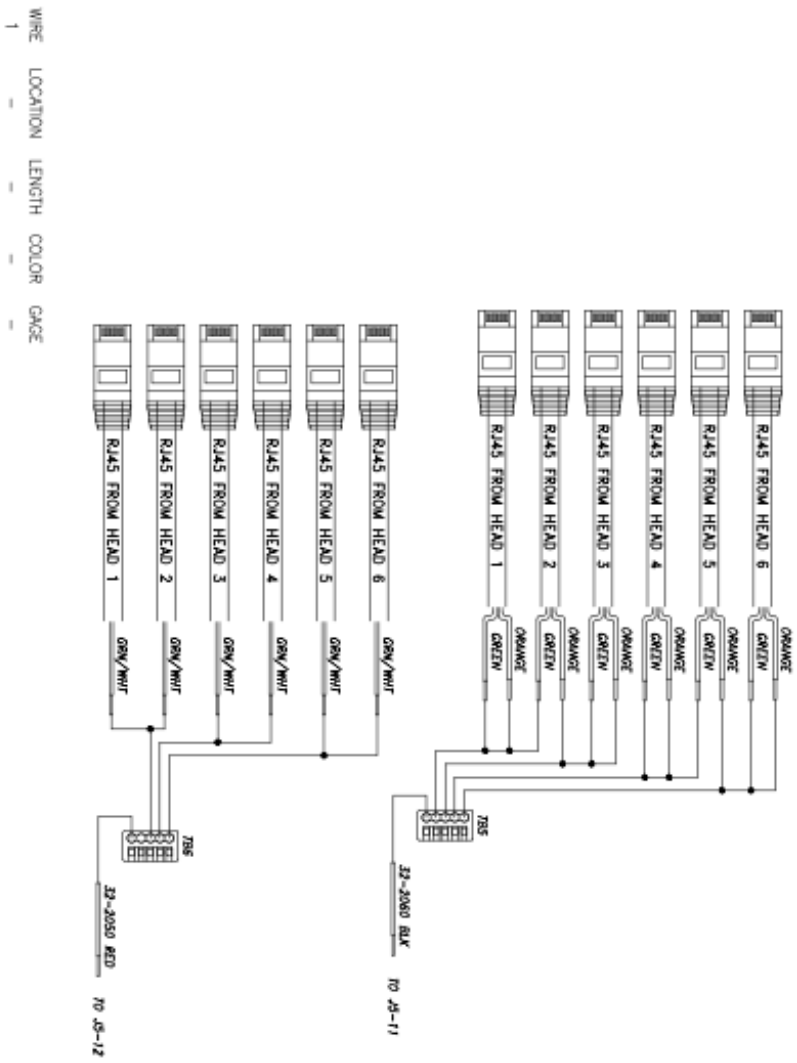
Wire Diagram



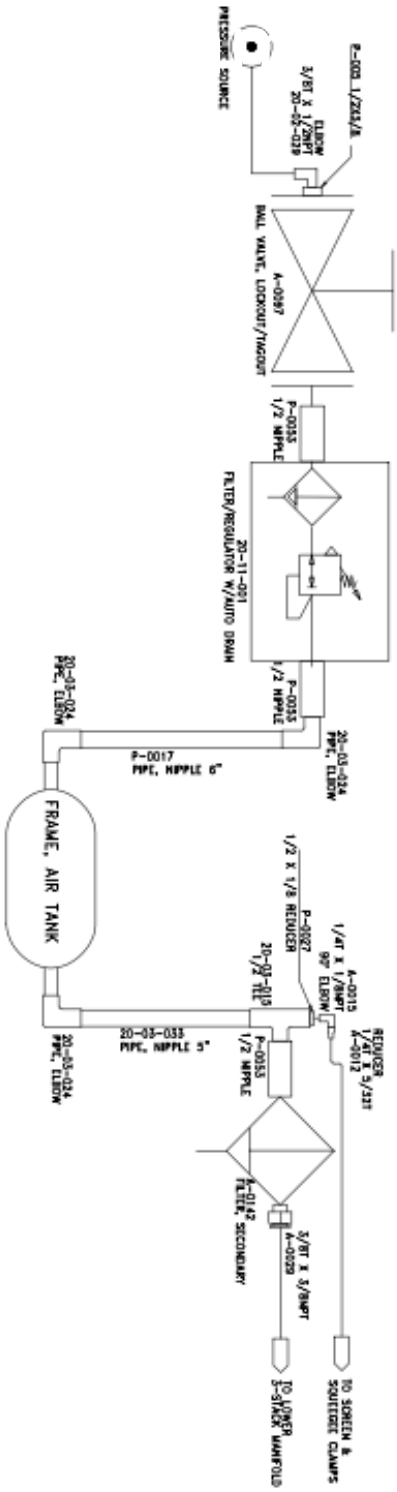
Wire Diagram



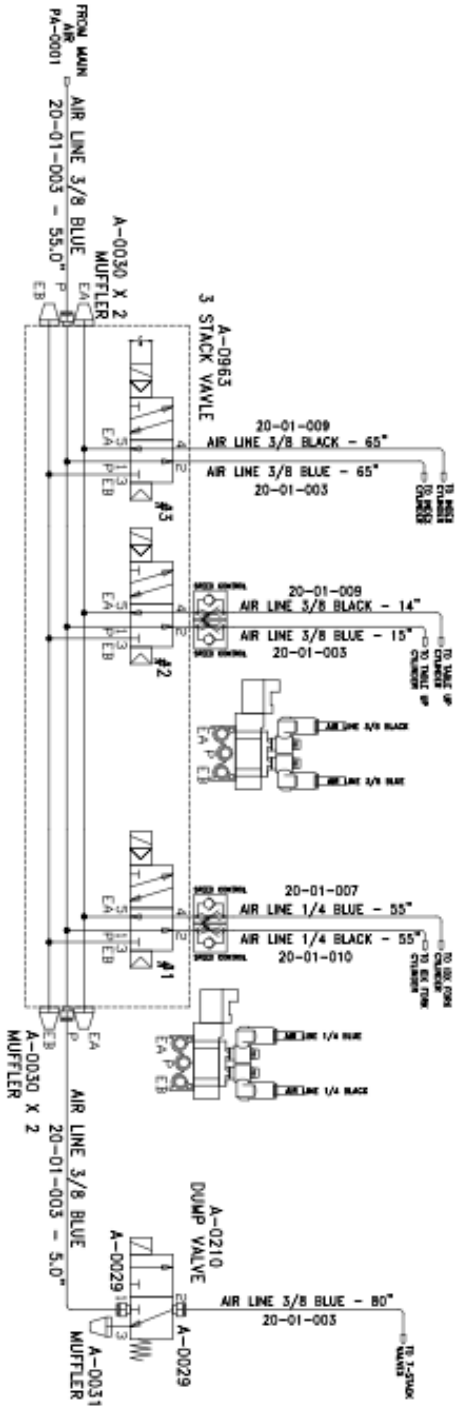
Wire Diagram



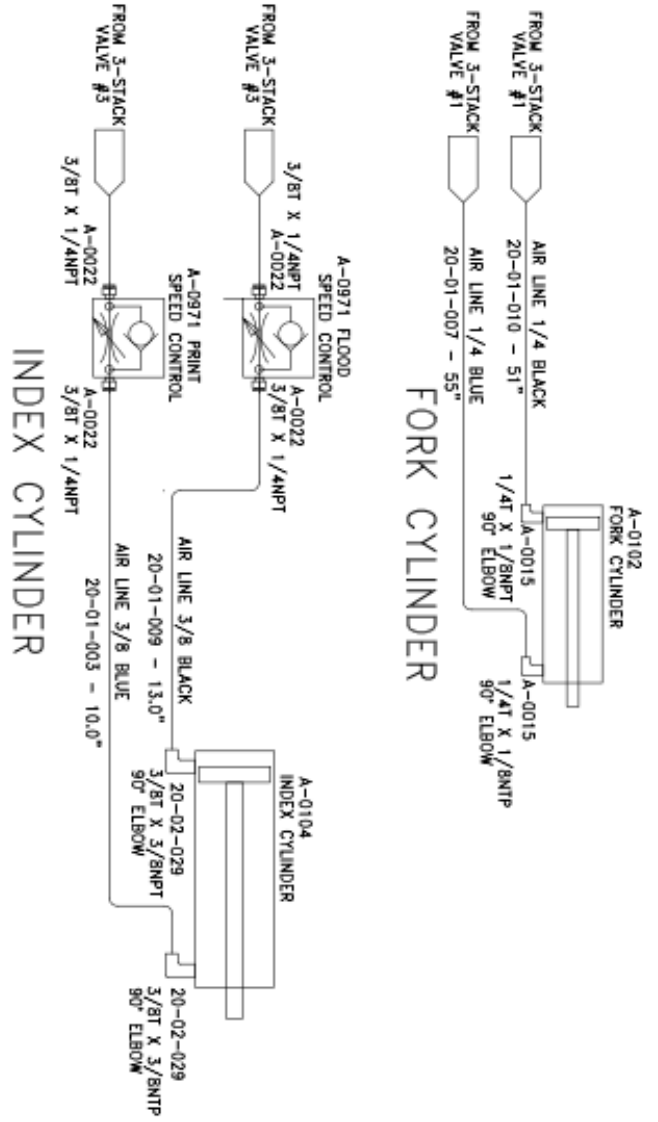
Pneumatic Diagram



Pneumatic Diagram



Pneumatic Diagram



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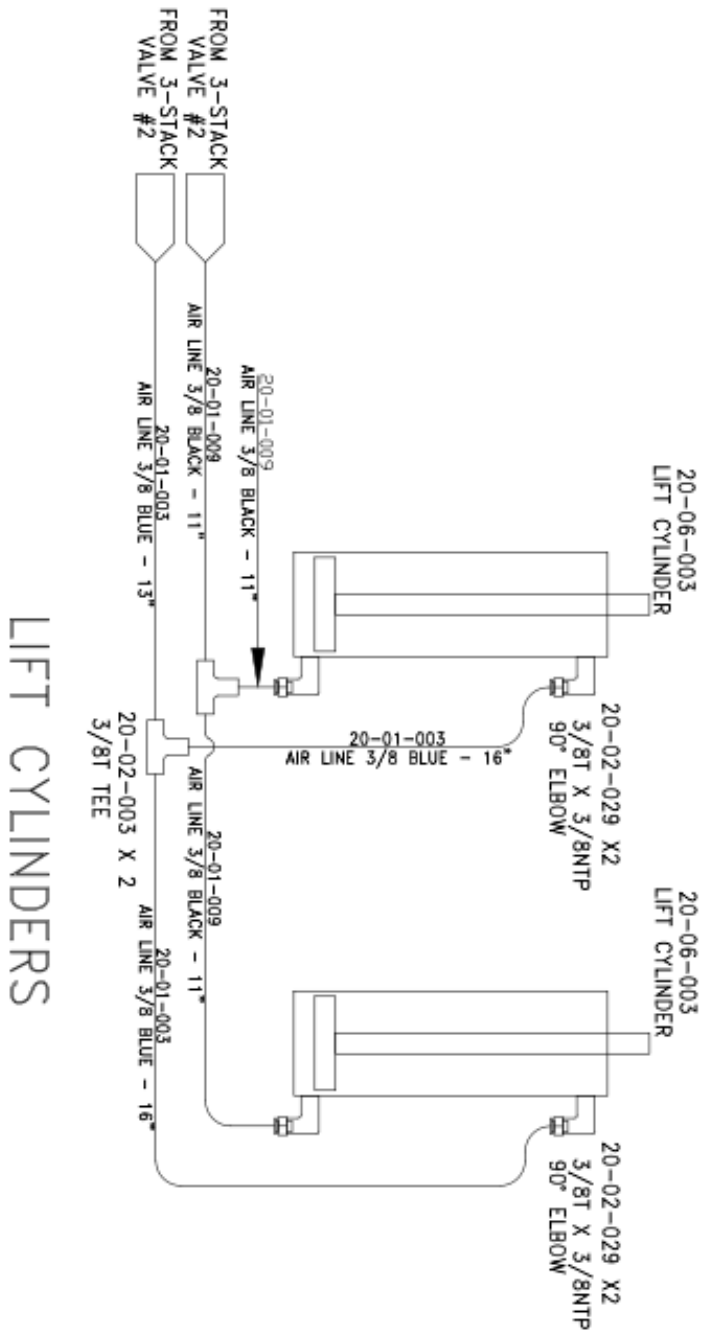

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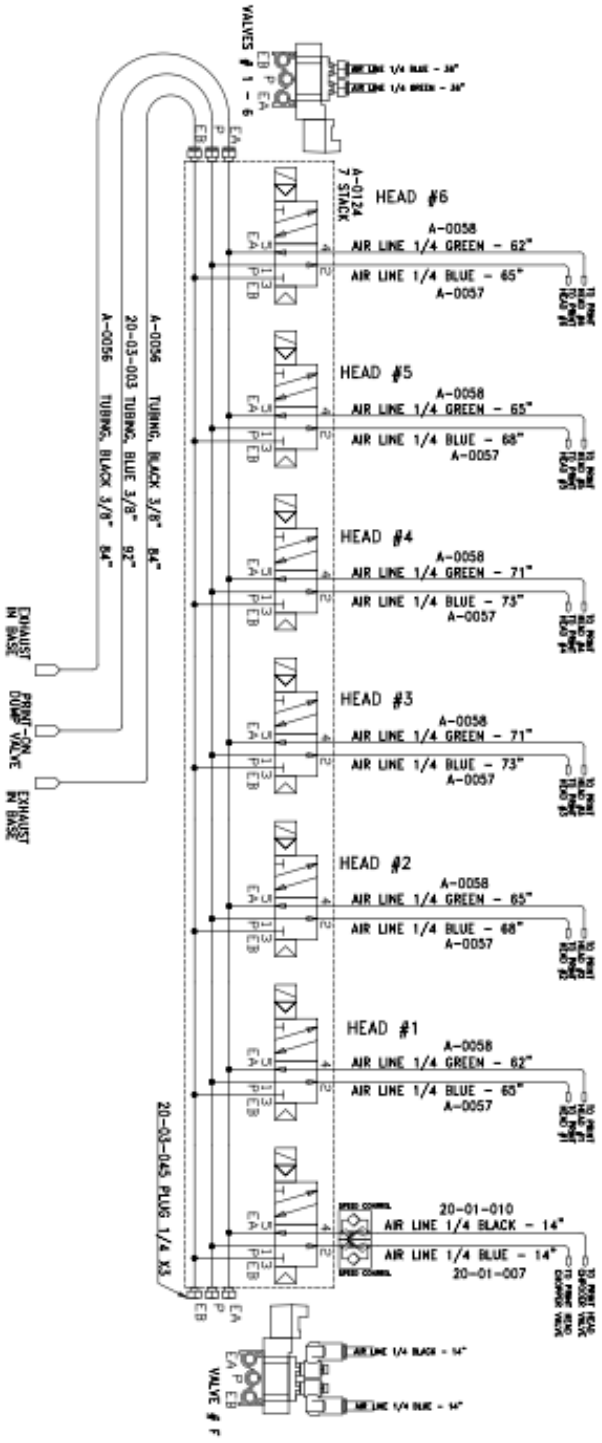
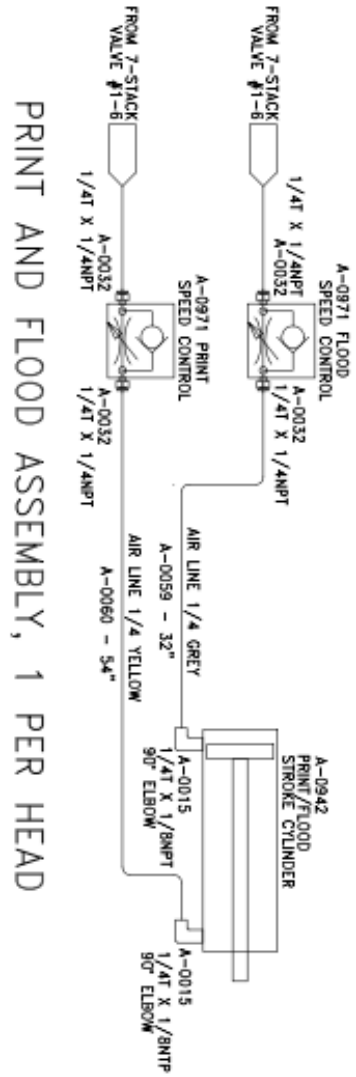
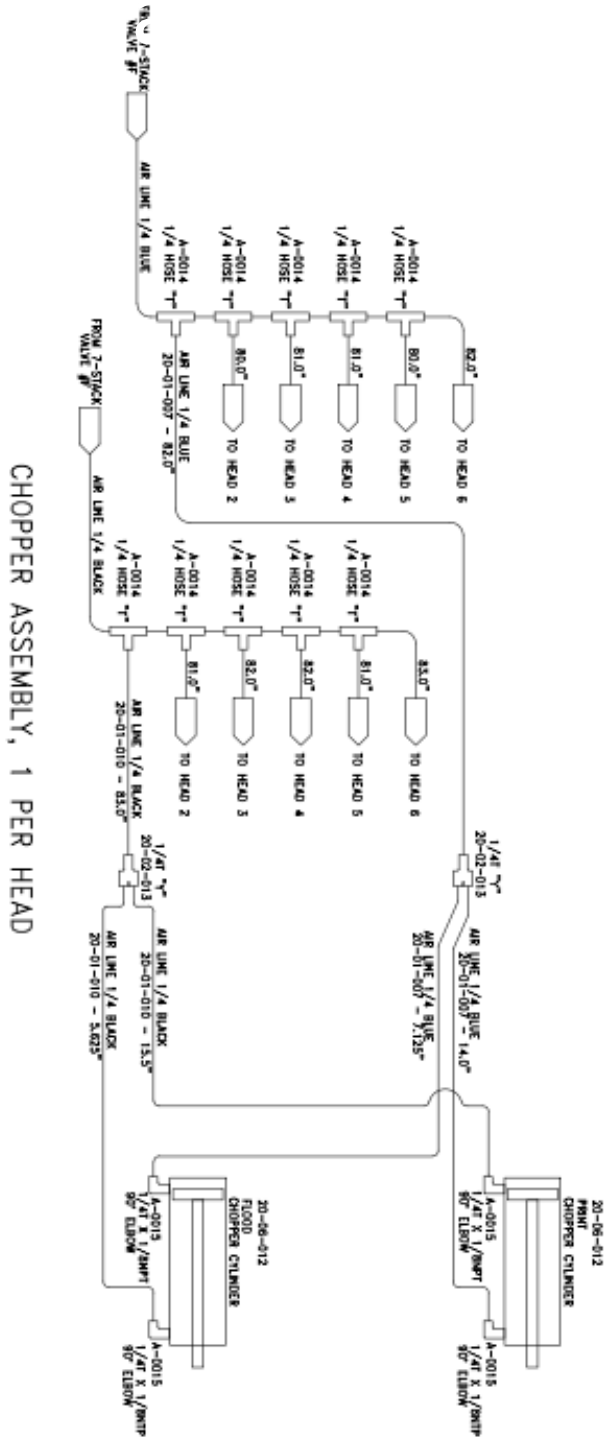


Pneumatic Diagram



PRINT AND FLOOD ASSEMBLY, 1 PER HEAD

Pneumatic Diagram



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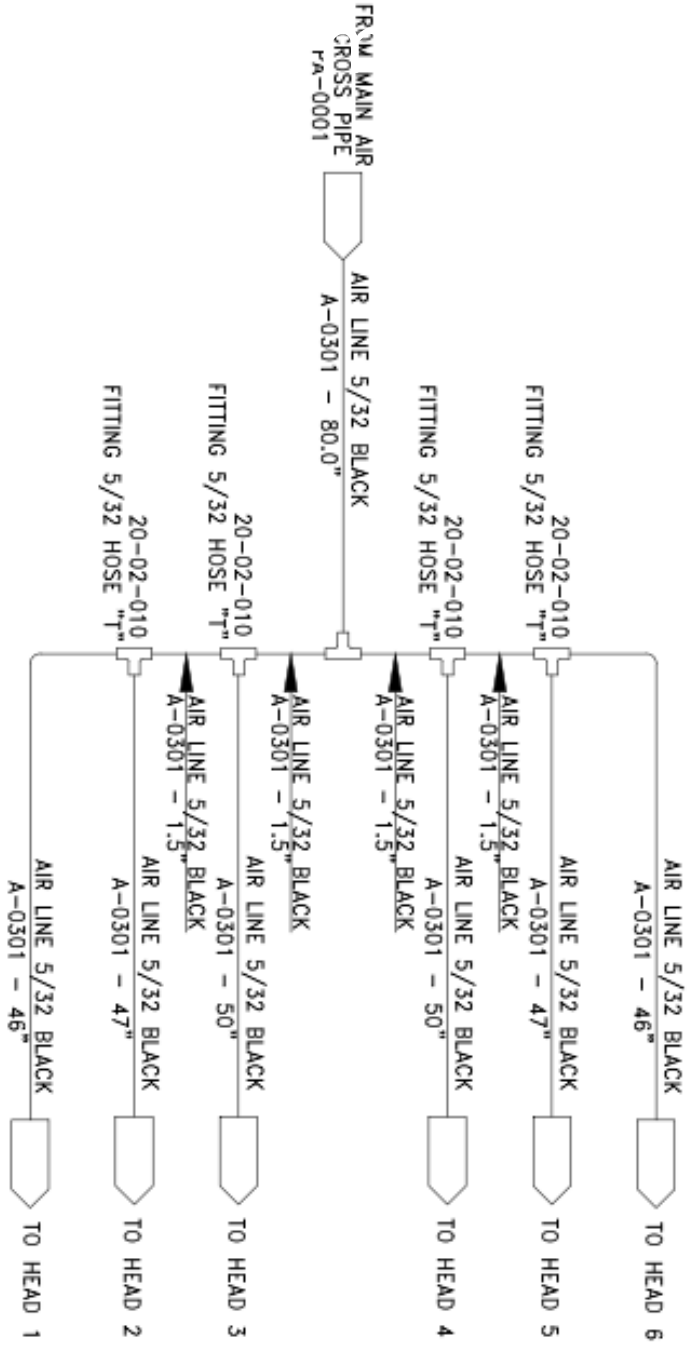

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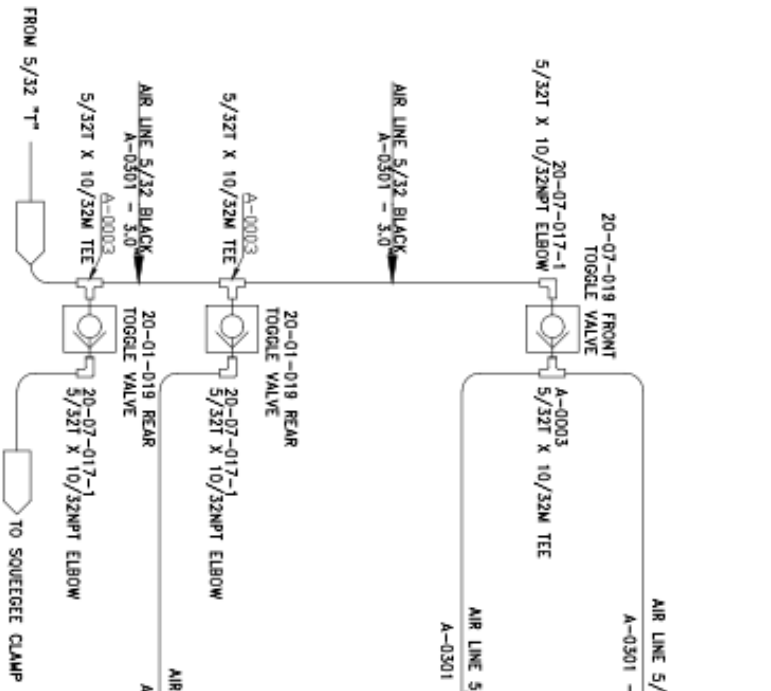

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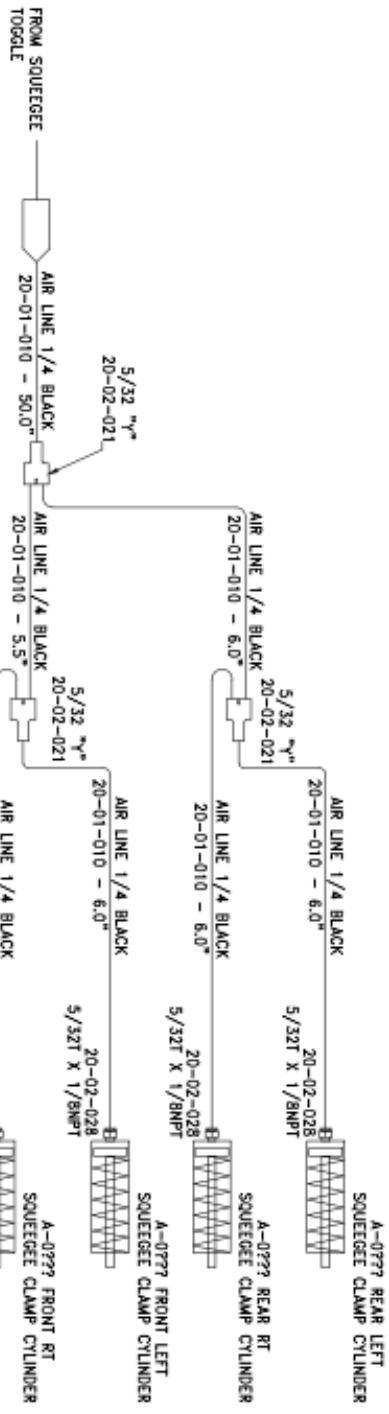

Limited Warranty

Although every effort has been made to provide accurate specifications, Workhorse Products does not assume any liability for damages, whether consequential or incidental, that may result from the use or misuse of the indicated specifications. Workhorse Products requires the use of a licensed industrial electrician for the installation of electrical service to equipment requiring electrical power.

Workhorse Products reserves the right to alter specifications in the manufacture of its products. It is understood and agreed that Seller's liability for any equipment whether liability in contract, in tort, under any warranty, in negligence, in strict liability or otherwise shall not exceed the return of the amount of the purchase price paid by Buyer. Not withstanding the foregoing provision, under no circumstances shall Seller be liable for special, indirect or consequential damages. The price stated for the equipment is a consideration in limiting Seller's liability. No action regardless of form, arising out of the transactions under this Agreement may be brought by Buyer more than one (1) year after the cause of action has occurred. Our warranty is specified is exclusive and no other warranty, whether written or oral, is expressed or implied. Workhorse Products specifically disclaims the implied warranties of merchantability and fitness for a particular purpose. Equipment manufactured or sold by Workhorse Products is warranted against defects in workmanship and materials for a period of one year from receipt by customer. All warranties initiate from date of shipment to original customer. Replacement parts are covered for the term of the equipment warranty period. Parts not under warranty are covered for thirty (30) days from receipt by customer. Any part found by Workhorse Products to be defective in material or workmanship within the stated warranty period will be replaced or repaired at Workhorse's option without charge.

AFTER OBTAINING AN RMA# SEND RETURNED FREIGHT PREPAID TO 3730 E. Southern Avenue, PHOENIX, AZ 85040 USA.

Written authorization must be obtained from Workhorse before any part will be accepted. Replacement parts are sent out freight collect.

Parts sent out prior to receiving defective require a credit card hold for cost plus freight. Upon return of defective part, if it is deemed that the part was not damaged by customer but failed, the cost of the replacement part will be refunded.

This warranty does not extend to expendable parts such as filters, fuses, elements and brushes. Workhorse does not warrant failure of parts or components resulting from misuse or lack of proper maintenance. Installation, inspection, and maintenance costs are the sole responsibility of the purchaser.

Registration Form

Company Name: _____ Contact Name: _____

Address: _____ Phone Number: _____

_____ Fax Number: _____

City: _____ Email : _____

State: _____ Cell Number: _____

Country: _____

Zip Code: _____ Serial Number: _____

Date Recivied: _____

Model Number: _____

Date Purchased _____

Please Fax Registration Form for warranty to take place