

# **CAPMAX**

## **owners manual**



# Introduction

Congratulations on your purchase of the Workhorse Products Capmax Printing Press!

Please inspect the cartons for damage upon receipt. DO NOT accept the cartons if damaged is suspected due to improper handling during shipping. Immediately report any damage to the carrier as well as to WORKHORSE PRODUCTS at 800-778-8779.

Inspect the carton contents IMMEDIATELY while the carrier is still there. Our packaging has been carefully engineered to endure normal shipping conditions. However, we cannot account for mishandling by the carrier. Upon first sight of freight damage notify or point out to the driver and file your claim with the carrier. Your claim with the carrier will be less difficult to dispute if you notate the damage on the bill of lading. Promptly notify WORKHORSE PRODUCTS.



## Features

- Featuring an off contact adjustment to allow the screen frame and back clamp to be raised and lowered while staying level with the shirt board.
- The micro adjust screen angle feature allows the user to raise or lower the front of the screen and allows for quick and easy “X” and “Y” axis adjustments for precise registration. Each micro-adjust is set at the factory default setting.
- The CAPMAX Attachment fits most manual printers and allows for seamless transitions between caps and T-Shirts.
- CAPMAX Cap Dryers have special curved heating elements to give even heat across the printed surface of the cap.



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# Parts for Assembly



The CAPMAX printing press arrives in 2- 3 boxes depending on model purchased.

The larger box contains the CAPMAX printing base and carousel. This box also contains 2 or 4 sub frames to hold screens, 2 or 4 cap screens and 2 or 4 cap squeegees in addition to the hardware bag.

See parts list on page 10 for other screens and platens available



Parts that are in the bag in the large box:

4 or 8 print head springs and hog rings

8 or 16 washers

Set of 4 or 8 print head pivot and up stop bolts

4 leg leveling bolts



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# Assembly

To attach the print heads align the top hole on the carousel bracket with the hole on the print head and insert a bolt with a washer through the bracket and print head.

Loosely fasten with a washer and a nut.

Repeat this process for any other print heads.



Tighten the top bolt using two 1/2" wrenches.

## **DO NOT OVER TIGHTEN**

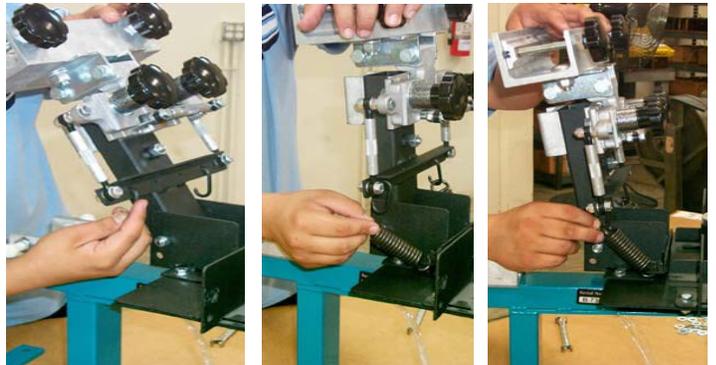
Tighten just enough to allow the print head to pivot easily but with slight resistance.



Attach the print head springs by inserting a hog ring with the open end facing the print head into the holes on the spring bracket (on each side of the print head).

Insert the springs in the hole on the carousel bracket first.

Pivot the head upward to connect the spring to hog ring.



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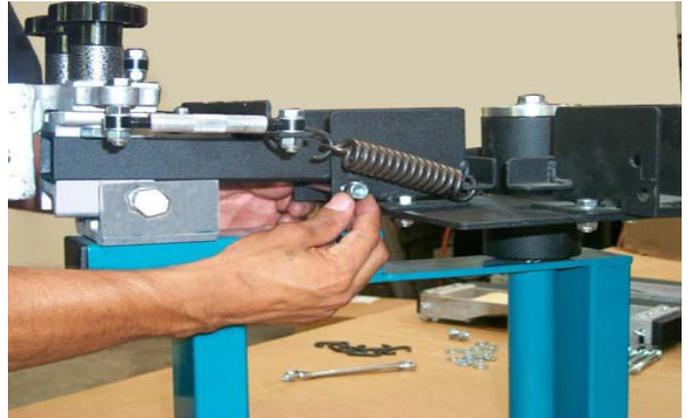
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## Assembly

After installing the print head and springs pull the print head down into the register gate. Install the up stop bolt through the bottom hole in the carousel print head bracket.

Do not over tighten.

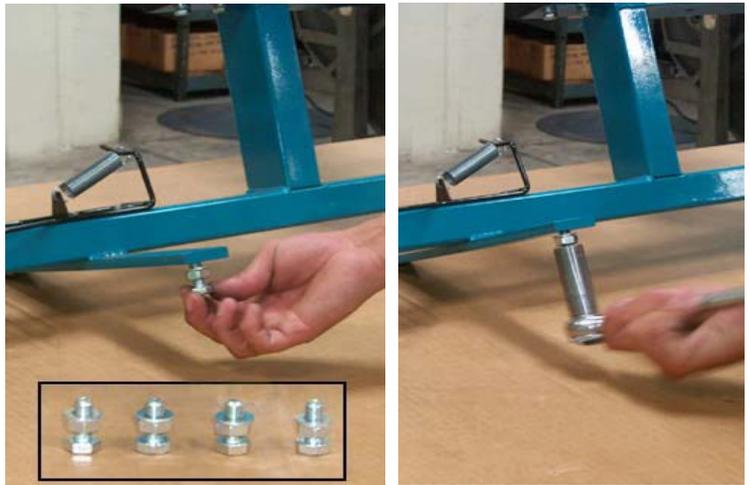


Put a washer on top of the jam nuts and align the four leg leveling bolts (photo 1).

Adjust the jam nut so all the washers are the same height on each leg leveling bolt (insert photo 1).

Then screw a bolt into the threaded hole on the leg bracket. (photo 1).

Then using a wrench tighten the bolt up against the washer and leg bracket. (photo 2).



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# Assembly

The Capmax screen mounts into a sub-frame which attaches to the print head the same way a standard screen does.

To place a screen in the sub-frame, loosen both thumb screws on the front of the sub-frame.



Lift the gate from the side that has the slot.

Lay the sub assembly on its side with the opened gate facing up.



Bend the screen slightly until it fits the contour of the two slots on either side of the ink well.

Ensure the glue side of the screen is facing the bottom of the sub-frame.

Press the screen down completely until it engages the curved slot at the base of the ink well. (As shown)

Once the screen is installed in the sub-frame close the gate and re-fasten the thumb screws.



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## Assembly

To install the sub-frame loosen the screen hold down knobs and lift the screen clamp to insert the sub-frame into the print head.

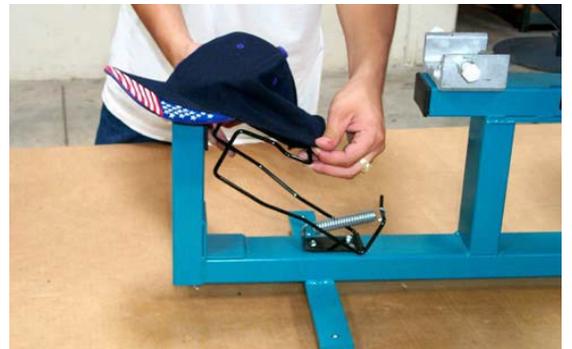
Make sure the micro adjustments are centered. Position the artwork on the cap platen or later on the cap itself.

Register the sub-frame with the artwork or the cap or cap platen. Securely fasten the screen hold down knobs, but do not over tighten.



If necessary, use spray adhesive on the cap platen to help hold the cap in position. Place the cap over the cap platen and lift the spring loaded cap hold down.

Place the cap hold down inside the back of the cap as shown.



Workhorse Products recommends pulling the sweat band out of the cap to avoid creating an uneven surface on the cap platen.

Adjust the cap so it is square and centered on the cap platen. The surface to be printed must be smooth.



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## Assembly

With the micro adjustment knobs loosened, use the X and Y micro adjustment knobs to register the screen with the artwork.



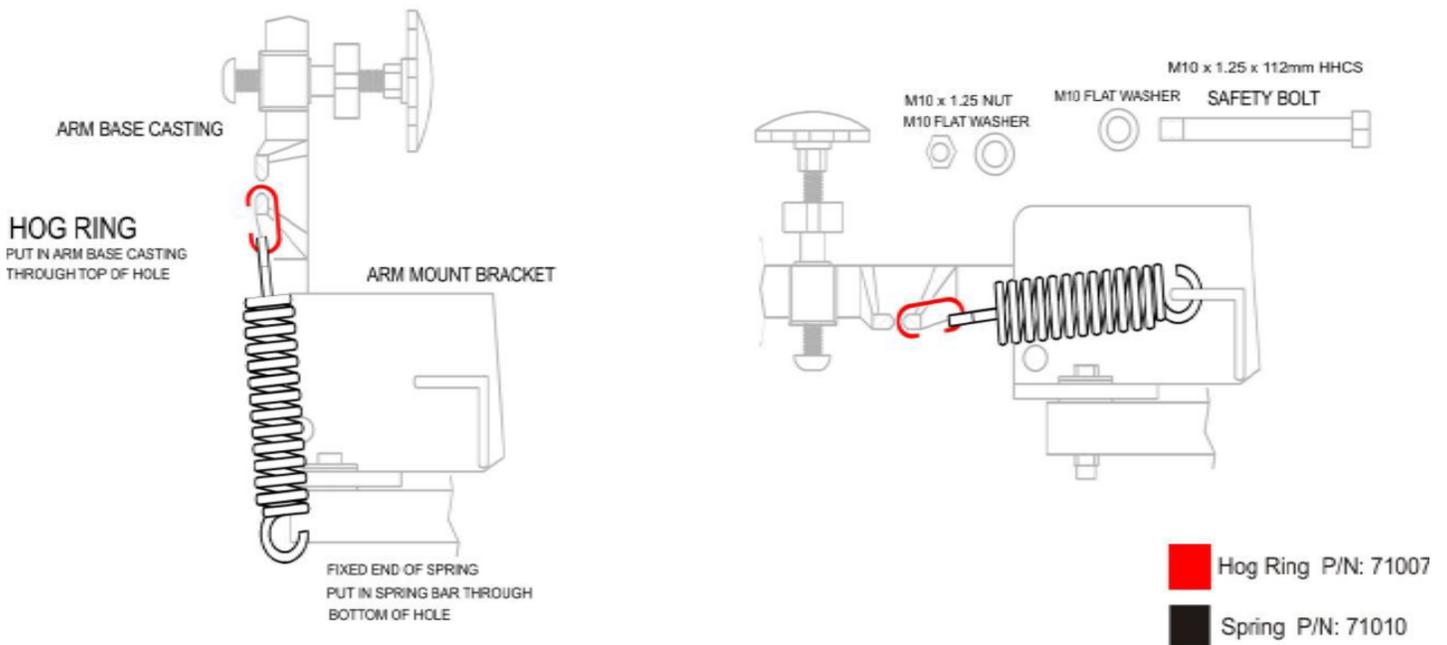
After the screen has been micro adjusted, securely tighten the micro adjustment knobs before printing.



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# Spring and Hog rings



1. Insert hog-ring through the top inside hole in the arm base casting
2. Raise the arm up and back to hook one end of the spring through the hog ring and the other end of the spring through the bottom side of the spring bar.

NOTE: Make sure the safety bolt, nut and washers are nearby.

3. With two springs on (one on each side of the print arm and secured in the holes), pull the arm down into a registration gate on the already mounted print stations.
4. Hold the arm down with one hand and insert the safety bolt through both sides of the arm mount bracket.
5. Place the washers and nut onto the threaded end of the safety bolt and loosely fasten.
6. Repeat procedure for any remaining arms.

NOTE: To change or replace springs, remove safety bolt and reverse steps 4 and 5.



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# Replacement Parts

## PART DESCRIPTION

## PART

Complete arm assembly	21001R
Nylon registration bolt kit. Includes lock nut (Package of 12)	73007R
Spring and extended hog ring kit. (Package of 12)	71006R
***Please note Workhorse Products recommends annual replacement of springs and hog rings. <b>(not sold separately)</b>	
Y-axis adjusting assembly. (Package of 3)	21008R
Knob, micro cinch (Package of 2)	74006R
Screen clamp knob (Package of 2)	74011R
Back clamp steel insert (Package of 6)	60079R

## ACCESSORIES

### EZ-CAP Cap Printing Pallet:

E-Z Cap Pallet 3 x 4.75 w/110 Cap Screen and Squeegee	12011
E-Z Cap Screen #110 Mesh	12012
E-Z Cap Screen #124 Mesh	12013
E-Z Cap Screen #155 Mesh	12014

### Gripper Jacket Printing Pallet:

Gripper Jacket hold down with bracket, 16 x 16	12512
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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. Notwithstanding 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.**

<b>Registration Form</b>	
<b>Company Name:</b> _____	<b>Contact Name:</b> _____
<b>Address:</b> _____ _____	<b>Phone Number:</b> _____
<b>City:</b> _____	<b>Fax Number:</b> _____
<b>State:</b> _____	<b>Email :</b> _____
<b>Country:</b> _____	<b>Cell Number:</b> _____
<b>Zip Code:</b> _____	<b>Serial Number:</b> _____
<b>Model Number:</b> _____	<b>Date Recivied:</b> _____
<b>Date Purchased</b> _____	

**Please Fax Registration Form for warranty to take place**