



Assembly Instructions

Riley Hopkins[®] **250+**

RILEY HOPKINS 250+ SCREEN PRINTING PRESS

SINGLE-STATION

PRTB-RH250-4X1



POWERED BY **Ryonet**[®]



Shift Your Shop Into Overdrive

The man behind the name Riley Hopkins was formerly a race car driver. To promote the cars he raced, he printed shirts. When he moved on from the racing community, a kite company asked him to build a screen printing press. That's when the Riley Hopkins brand was born. More than 40 years later, Riley Hopkins makes some of the industry's highest quality and most economical screen print equipment. The beloved press line is known worldwide for having top-tier features, fast adjustment, and cutting-edge looks. But it's not just presses. Riley Hopkins offers a wide selection of equipment — flash dryers, conveyor dryers, press carts — that'll fuel any shop. All equipment is proudly manufactured in the USA. Equipment built by hand is better than a mass-produced printing machine because many eyes see and hands touch every part of the equipment through every step of the process. Investing in American Made equipment means you'll receive high-quality equipment that's made to last a lifetime.



The lights are flashing green.

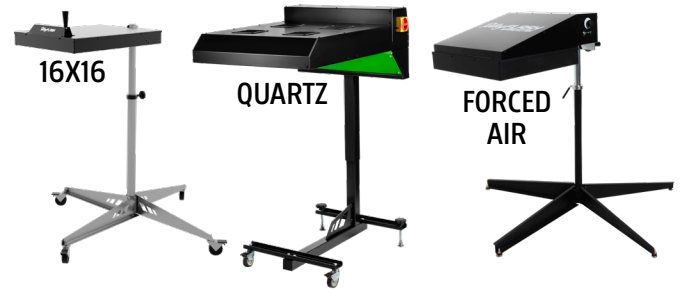
Hit the gas.

*It's time to kick people's screen
printing dreams into high gear.*

Riley Hopkins

FLASH DRYERS

Whether you need a small-scale flash dryer for flashing your underbase white, or an automated forced air flashing system for a larger screen printing business, Riley Hopkins flash units will allow your shop to whip into action. Choose from various flash units to find the one that fuels your drive.



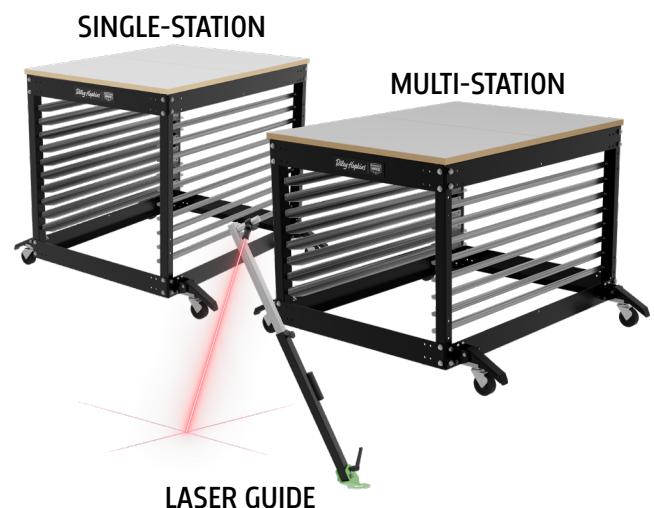
CONVEYOR DRYERS

Surge to the finish line with a conveyor dryer that works as hard as you do. Increase your shirts per minute with a conveyor dryer that fits your shop. From tabletop dryers to forced air conveyors, there's a dryer for every shop to put the pedal to the metal.



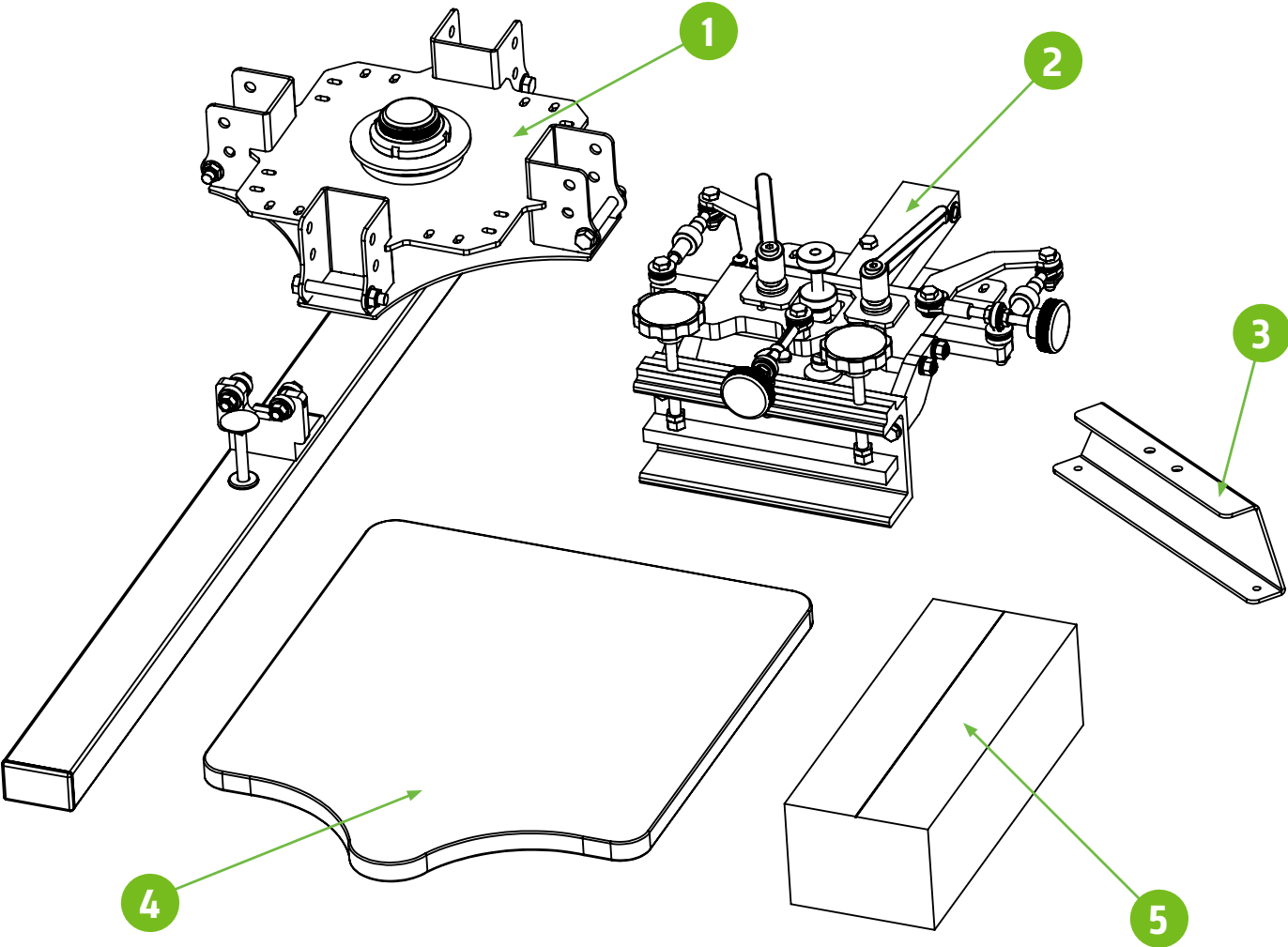
PRESS CARTS & LASER GUIDE

Raise your level of performance with Riley Hopkins press accessories. From press carts to lasers, there's a way to pony up any press. Mount a tabletop press to a press cart for the ultimate printing station. Attach a laser guiding system to almost any Riley Hopkins press for perfect print precision.



Box Contents

TAG	ITEM	QTY.
1	MAIN PRESS CORE ASSEMBLY	1/UNIT
2	XYZ MICRO PRINthead WITH SCREEN CLAMP	4/UNIT
3	MOUNTING FEET	2/UNIT
4	16" X 16" MDF NECK PLATEN WITH PLATEN BRACKET	1/UNIT
5	HARDWARE KIT	1/UNIT



Required Tools

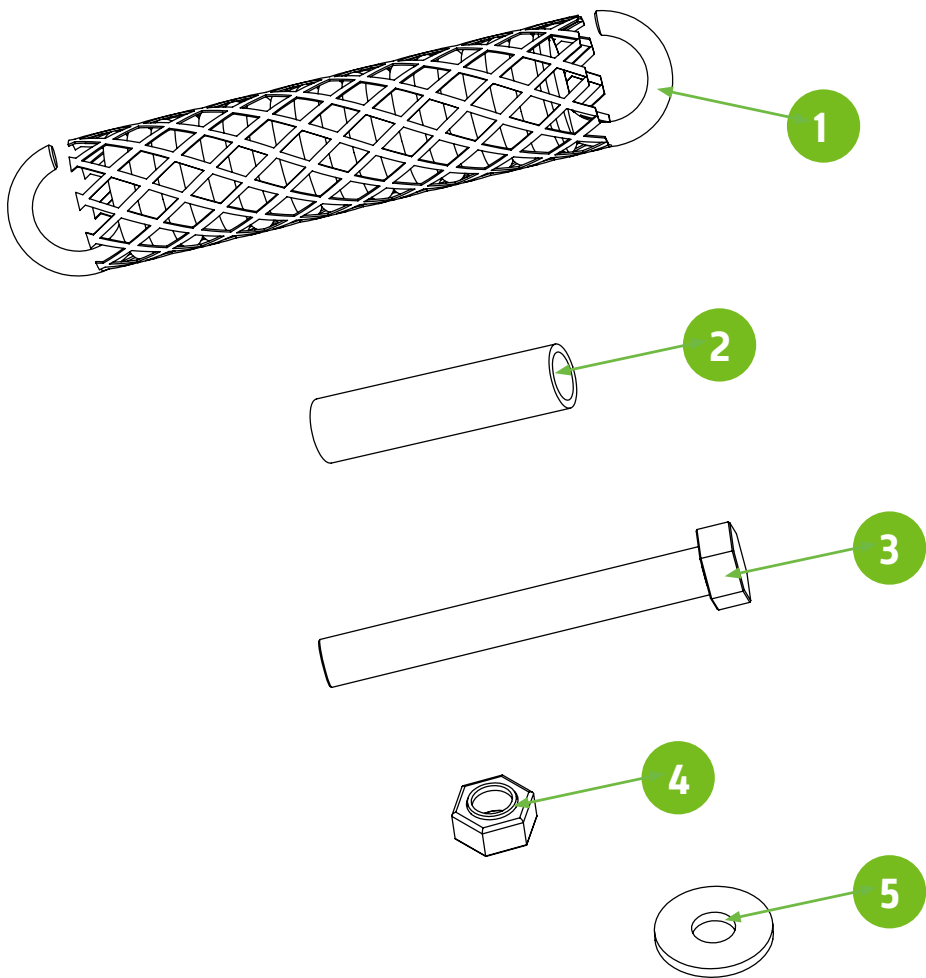
x2 9/16" combination wrenches • 1/2" combination wrench
Hammer • 1/8" Hex wrench (included)

Printhead Stop Bolt Kit | 1/Printhead

PRSA-RH250PHDKIT

Tag	NAME/ID	DESCRIPTION	Qty.
1	PRSA-SPRINGKIT	MESH COVERED SPRING	2/COLOR
2	PRCO-BMPRBLTCVRBLU	AIR HOSE FOR BUMP STOPS 2" LONG	1/COLOR
3	PRHD-HC3/8NF3GR5ZC	3/8-24 X 3" HEX CAP SCREW GRADE 5 ZINC	1/COLOR
4	PRHD-LNYN3/8NFGR5ZC	3/8-24 LOWPRO NYLOC NUT	1/COLOR
5	PRHD-WA5/16USSGR5ZC	5/16 USS FLAT WASHER ZINC	2/COLOR

IMPORTANT: BE SURE ALL PARTS ARE ENCLOSED BEFORE ASSEMBLING.

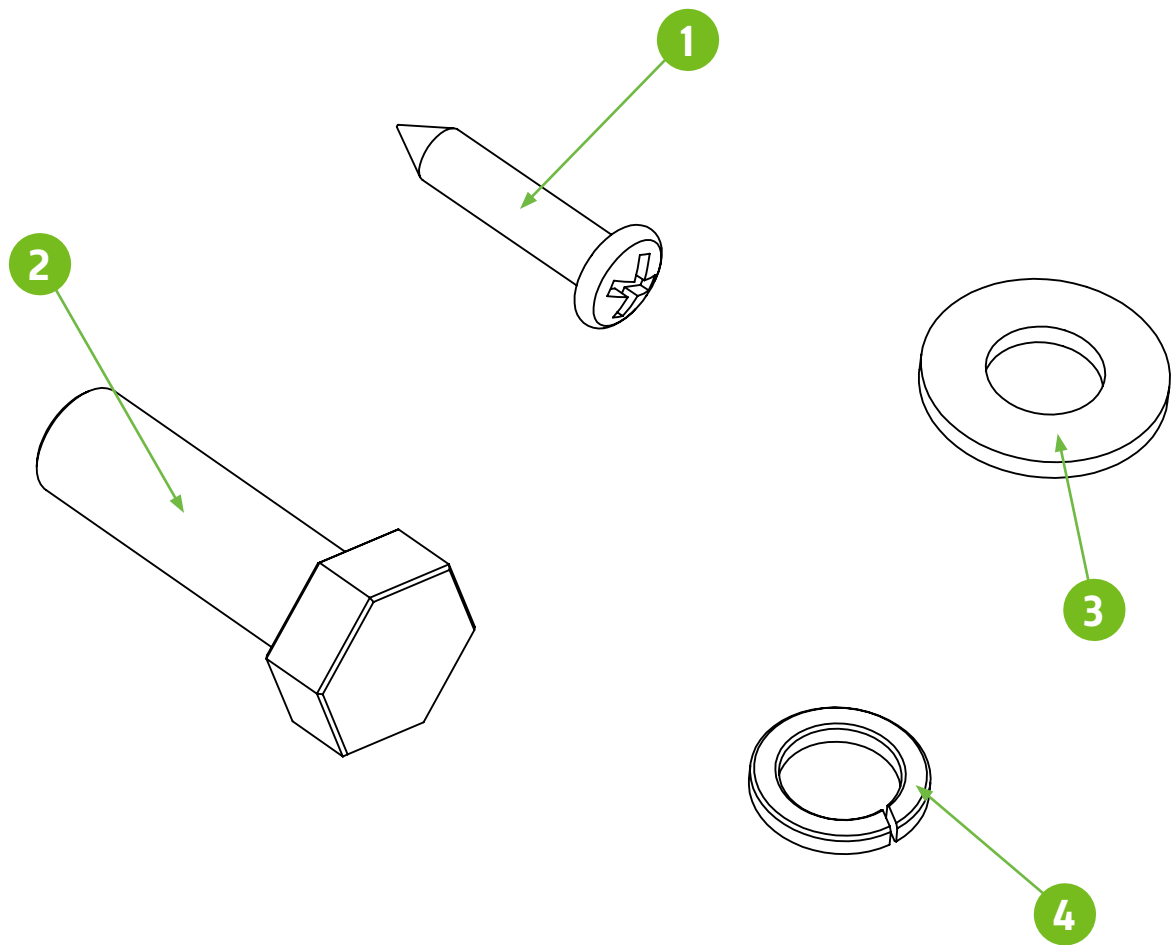


Feet Mounting Kit

PRSA-RH250MTGKIT

Tag	NAME/ID	DESCRIPTION	Qty.
1	PRCO-JRFTMTHDWPK	TABLETOP PRESS MOUNTING SCREWS	1
2	PRHD-HC5/16NC1GR5ZC	5/16-18 X 1" HEX CAP SCREW	4
3	PRHD-WA5/16USSGR5ZC	5/16" FLAT WASHER	4
4	PRHD-LWA5/16GR5ZC	5/16" LOCK WASHER	4

IMPORTANT: BE SURE ALL PARTS ARE ENCLOSED BEFORE ASSEMBLING.



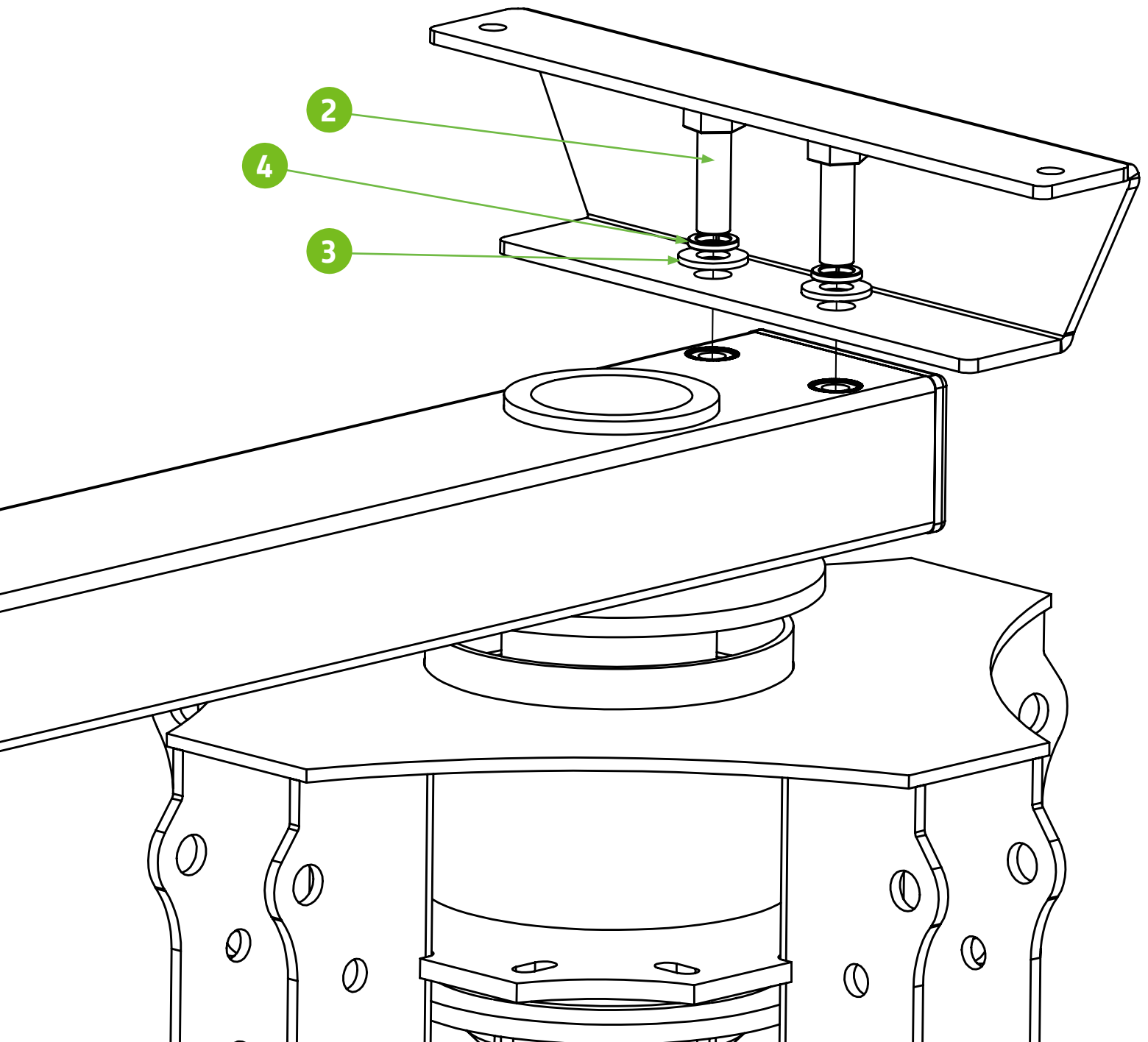
Step 1

Tools

1/2" combination wrench

Attach the mounting feet to the main press core assembly with the supplied 5/16" Hardware.

NOTE: Refer to **Feet Mounting Kit** for hardware detail.



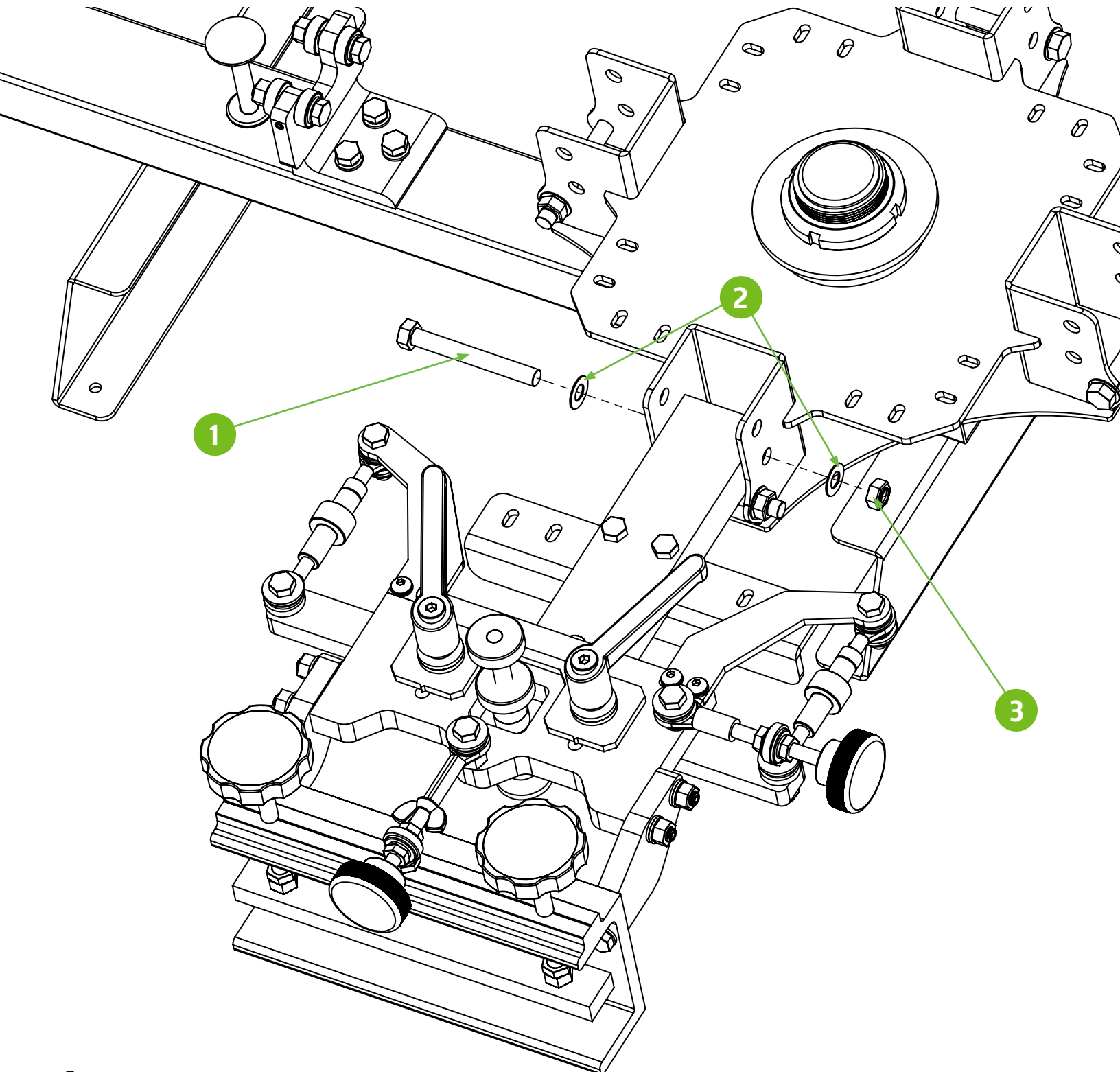
Step 2

Tools

x2 9/16" combination wrenches

Install the printhead assemblies into the hinge point of the color wheel. Repeat this step for the remaining printhead assemblies.

NOTE: Refer to **Printhead Stop Bolt Kit** for hardware detail.



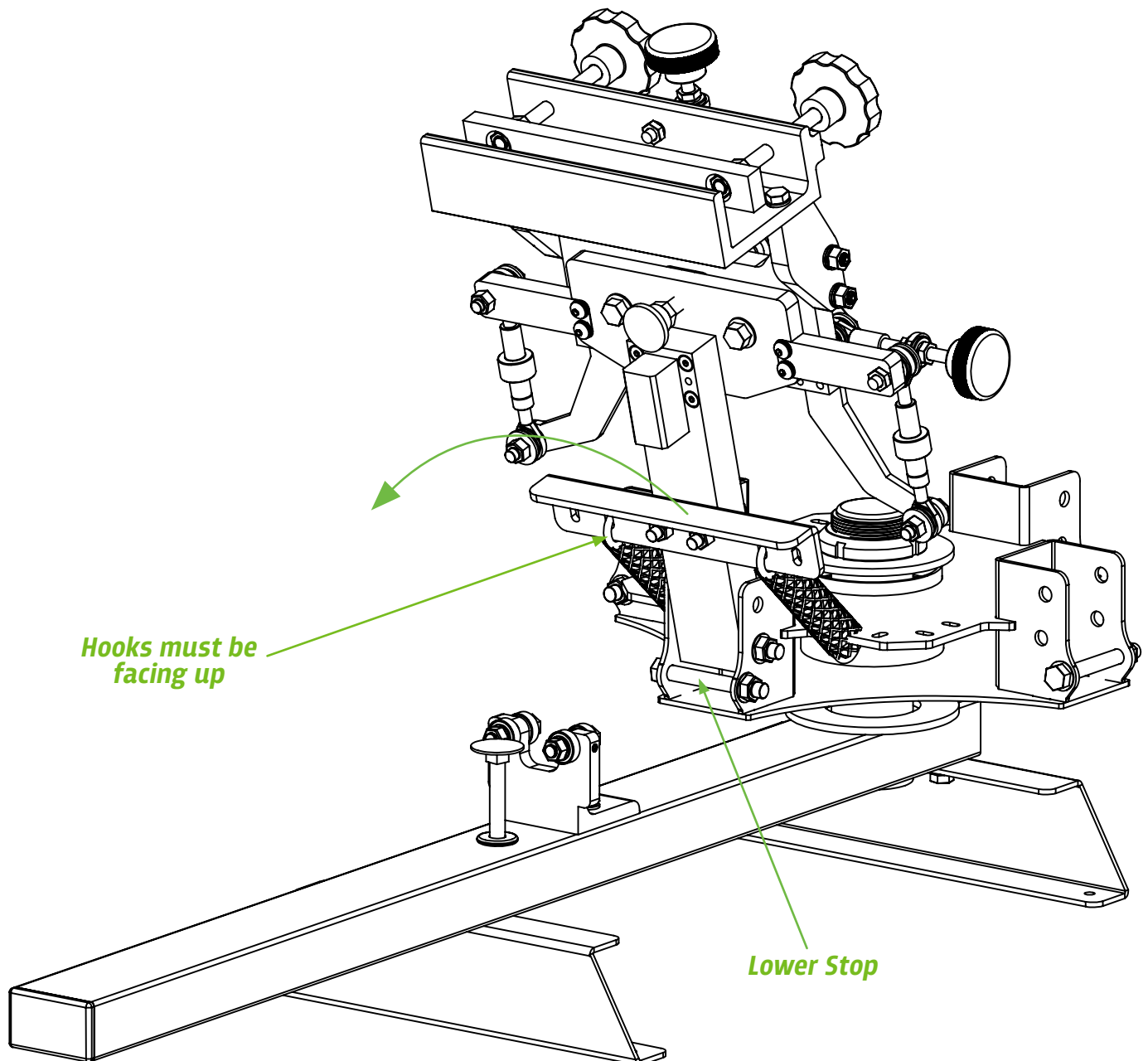
Step 3

Install the spring assemblies with the hooks facing upward. Lower the Print head assemblies until they rest on the lower stop bolt. Repeat this step for the remaining print head assemblies.

NOTE: Refer to **Printhead Stop Bolt Kit** for hardware detail.

/// CAUTION! ///

Extreme force. Install spring assemblies with Caution.



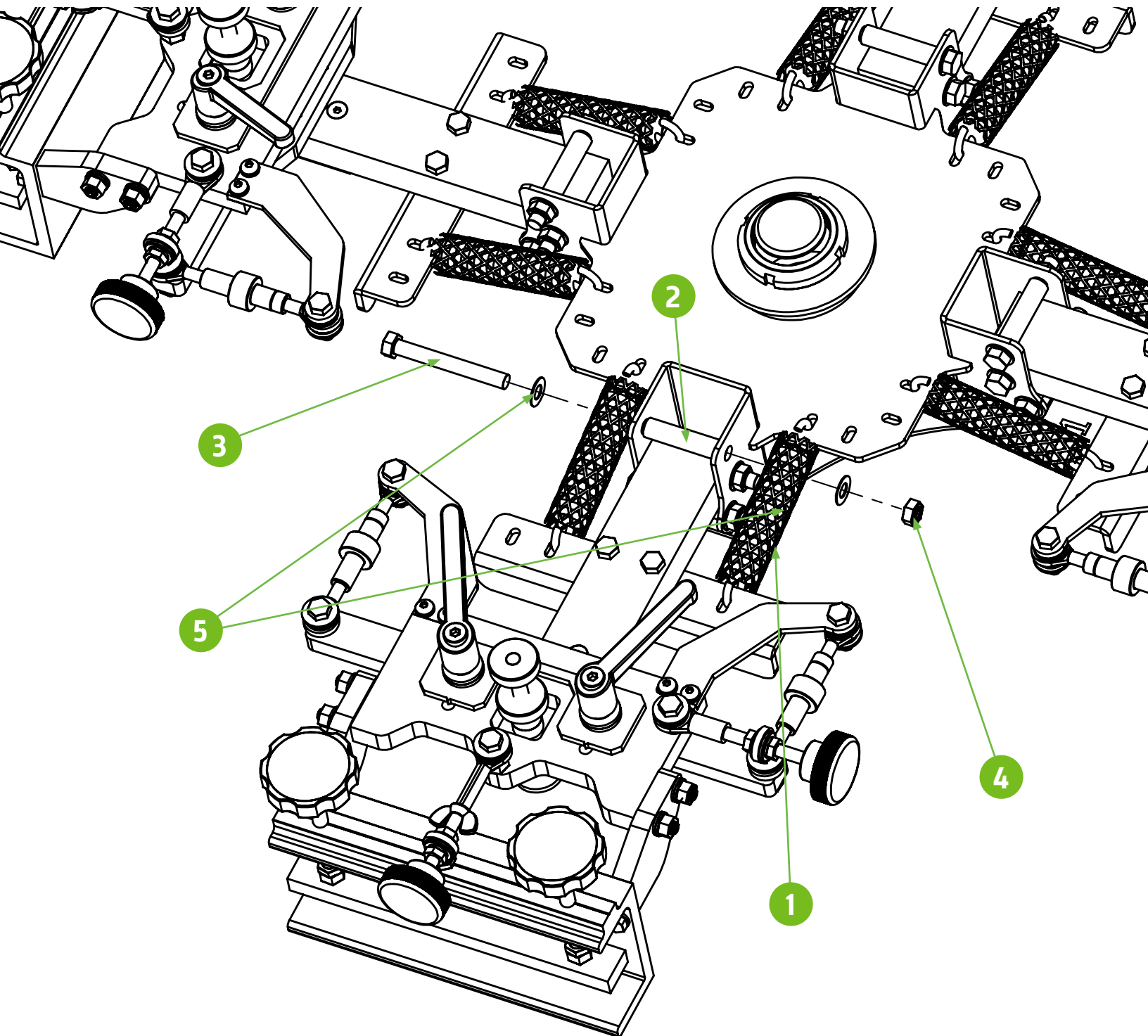
Step 4

Tools

Hammer

Install the upper stop bolts and rubber sleeves. **Do not overtighten the bolts.** This will cause resistance in the printhead hinge point. Repeat this step for the remaining printhead assemblies.

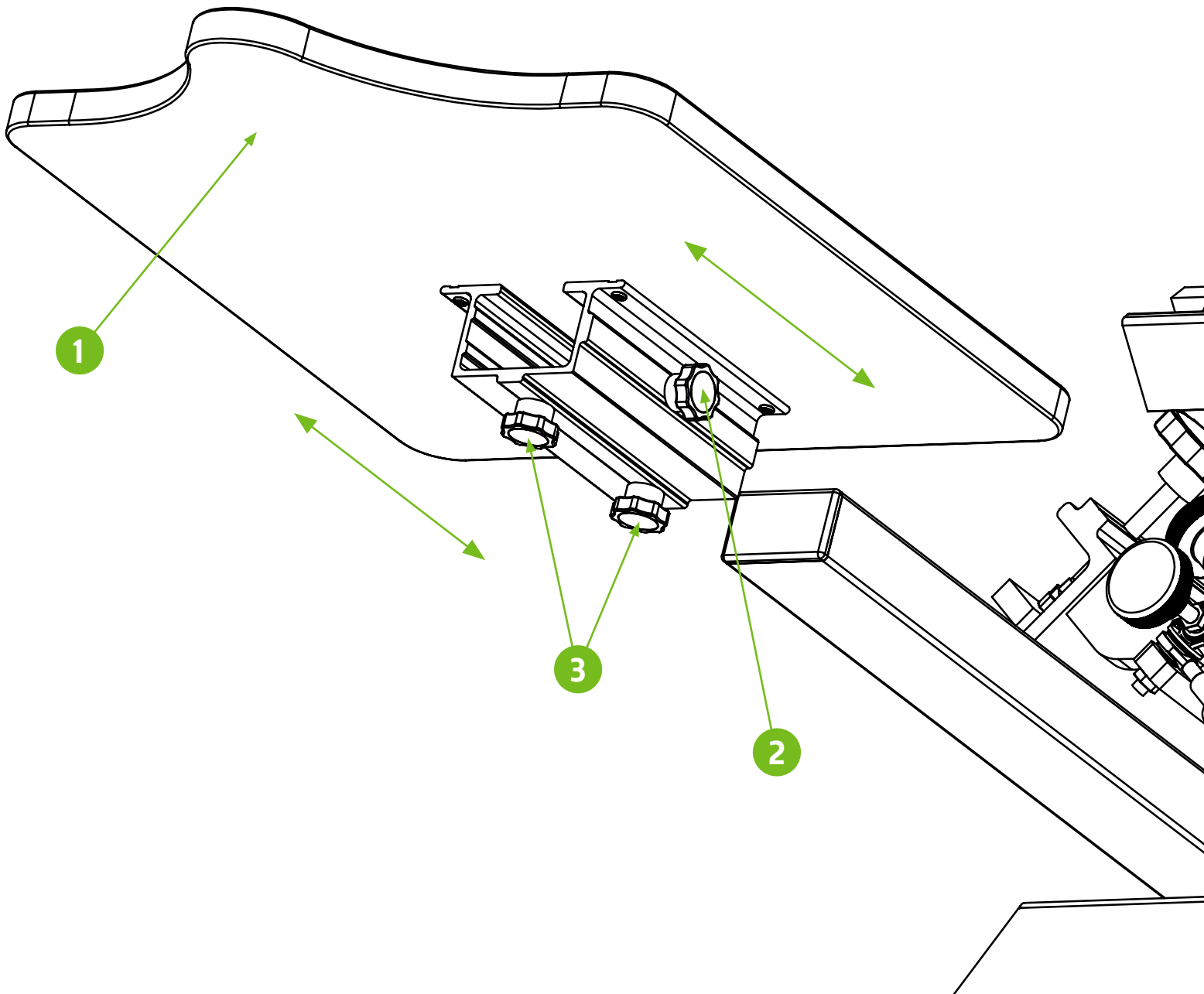
NOTE: Refer to **Printhead Stop Bolt Kit** for hardware detail.



Step 5

Install the platens onto the print stations. Set the platen **1** in the desired position. To lock in place, first tighten the side knob **2**. Then tighten the lower knobs **3**.

NOTE: 16" x 16" Wood Platen with Neck shown.



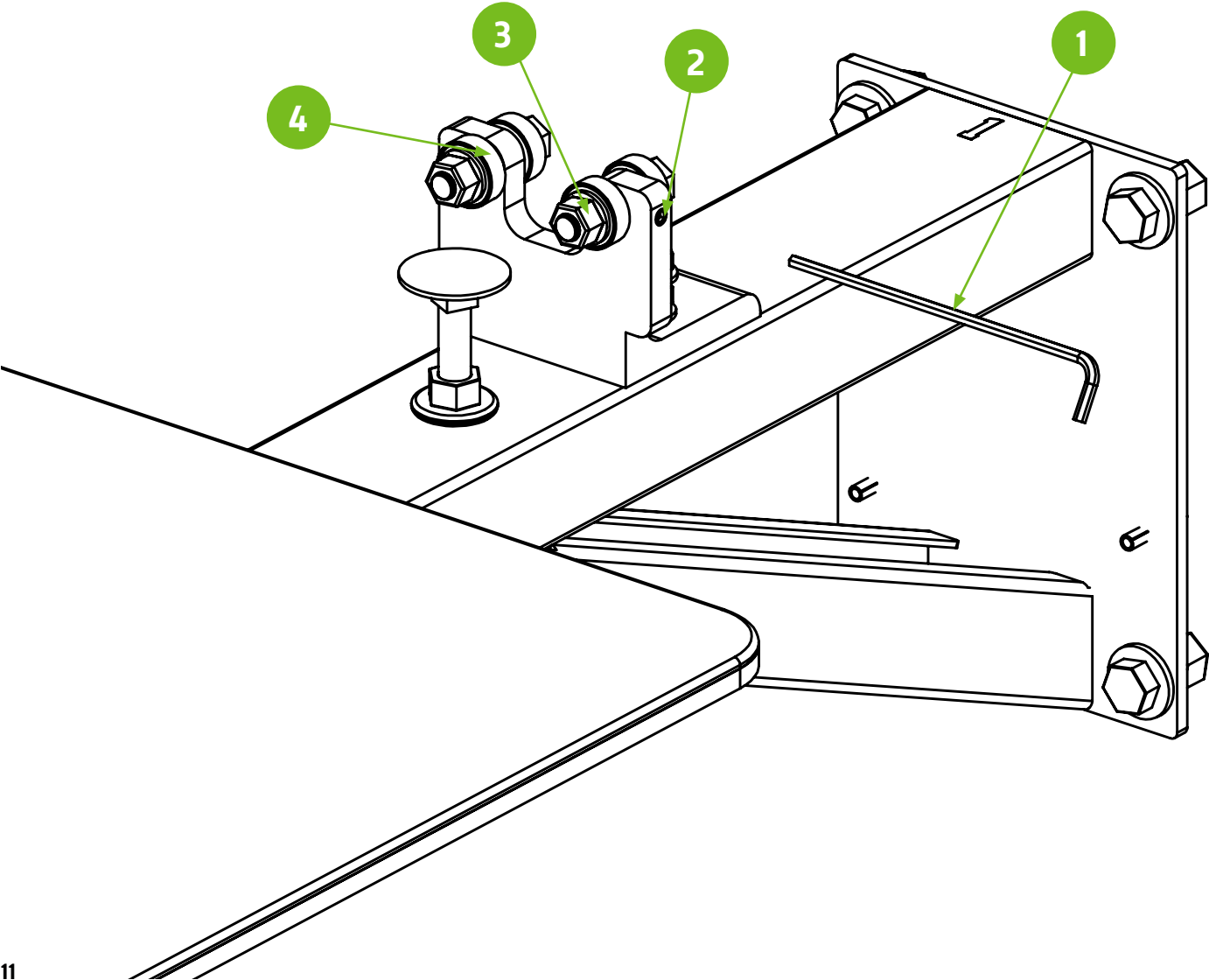
BEARING GATE ADJUSTMENT

Tools

1/2" wrench | 1/8" hex wrench

To adjust the locking tightness of the bearing gate assembly, first slightly loosen the 5/16" hardware **3** on the set screw side of the gate. To tighten the gate, turn the set screw **2** clockwise toward the stud holding bearings. Once in desired position, retighten the 5/16" hardware.

Tag	NAME/ID	DESCRIPTION	Qty.
1	PRHD-HXWRNCH3/32	1/8" HEX WRENCH	1
2	PRHD-SCW1/4X3/8	SET SCREW 1/4-20 X 3/8" LONG-BLACK OXIDE	1
3	PRHD-LNYN5/16NFGR5ZC	5/16-24 LOWPRONYLOCZINC	2
4	PRCO-DETWHLBRNG	WHEEL BEARING - GATE ASSEMBLY	4



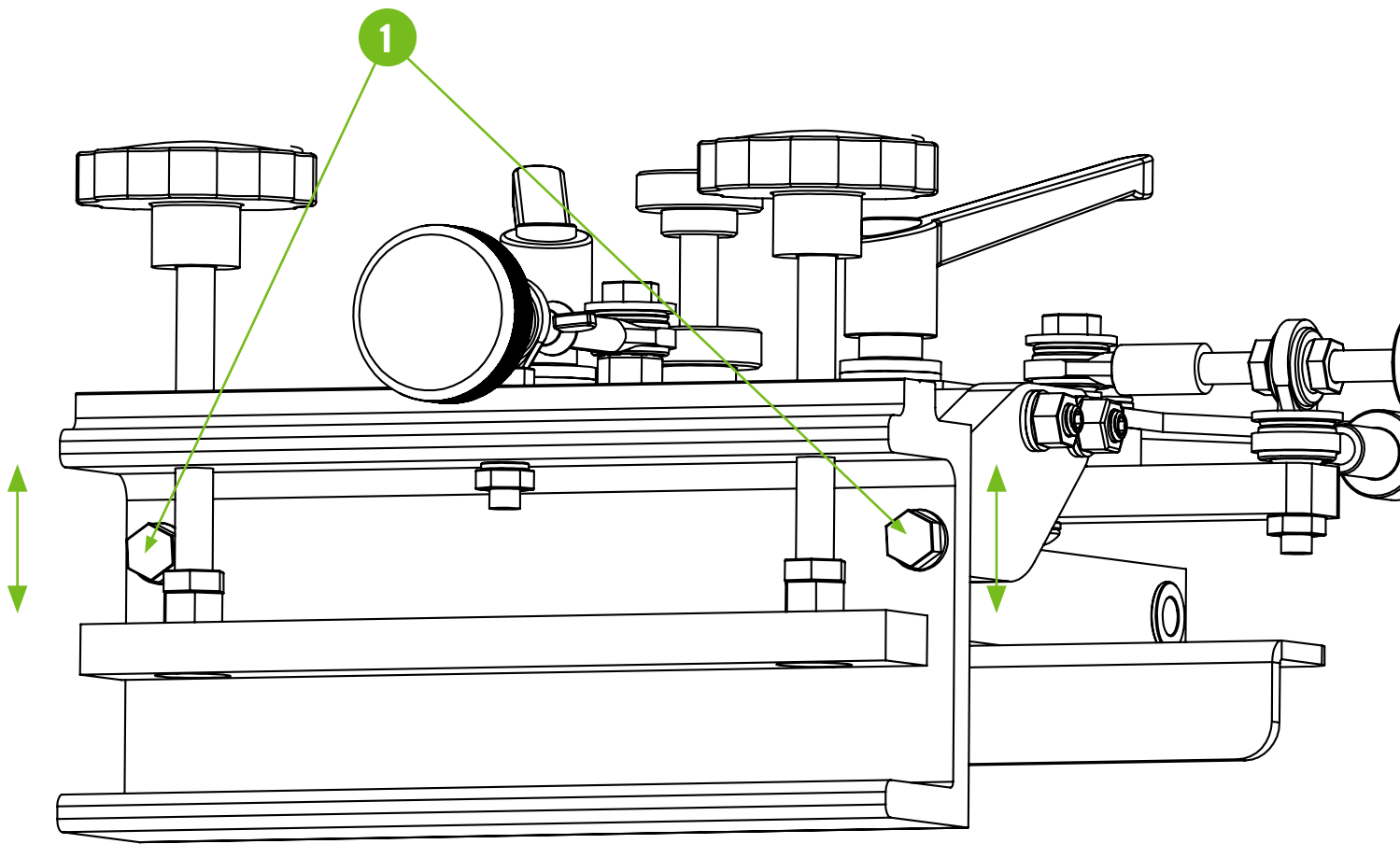
SCREEN CLAMP RE-ALIGNMENT

Tools

1/2" combination wrench

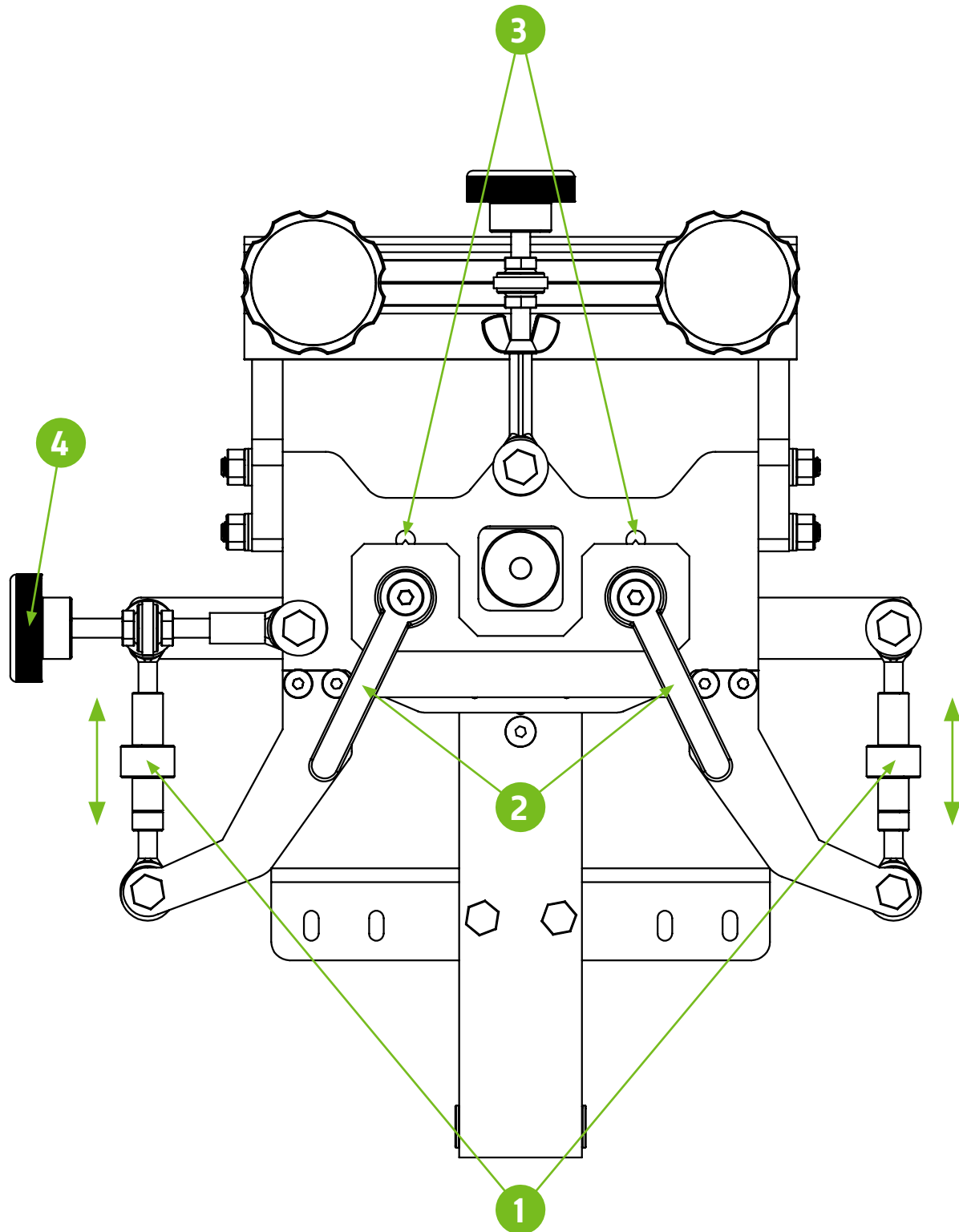
Clamp the screen into the clamp assembly. Level the screen to the platen in the down position. Slightly loosen the 5/16" hardware ① to precision level the printhead to the platen. It is recommended to use the same platen to set all the printheads.

Repeat this step to re-calibrate the remaining printheads to the platen.



X/Y MICRO ADJUSTMENTS

Before adjusting registration in the printhead, you must first loosen the micro lock-down levers **2**. To adjust front-to-back use the turnbuckle knobs on the sides of the printhead assembly **1**. To adjust registration side-to-side, use the long knob on the side of the assembly **4**. To get back to “zero” use the pointers on the top of the printhead assembly and line up with the center of the hole **3**.

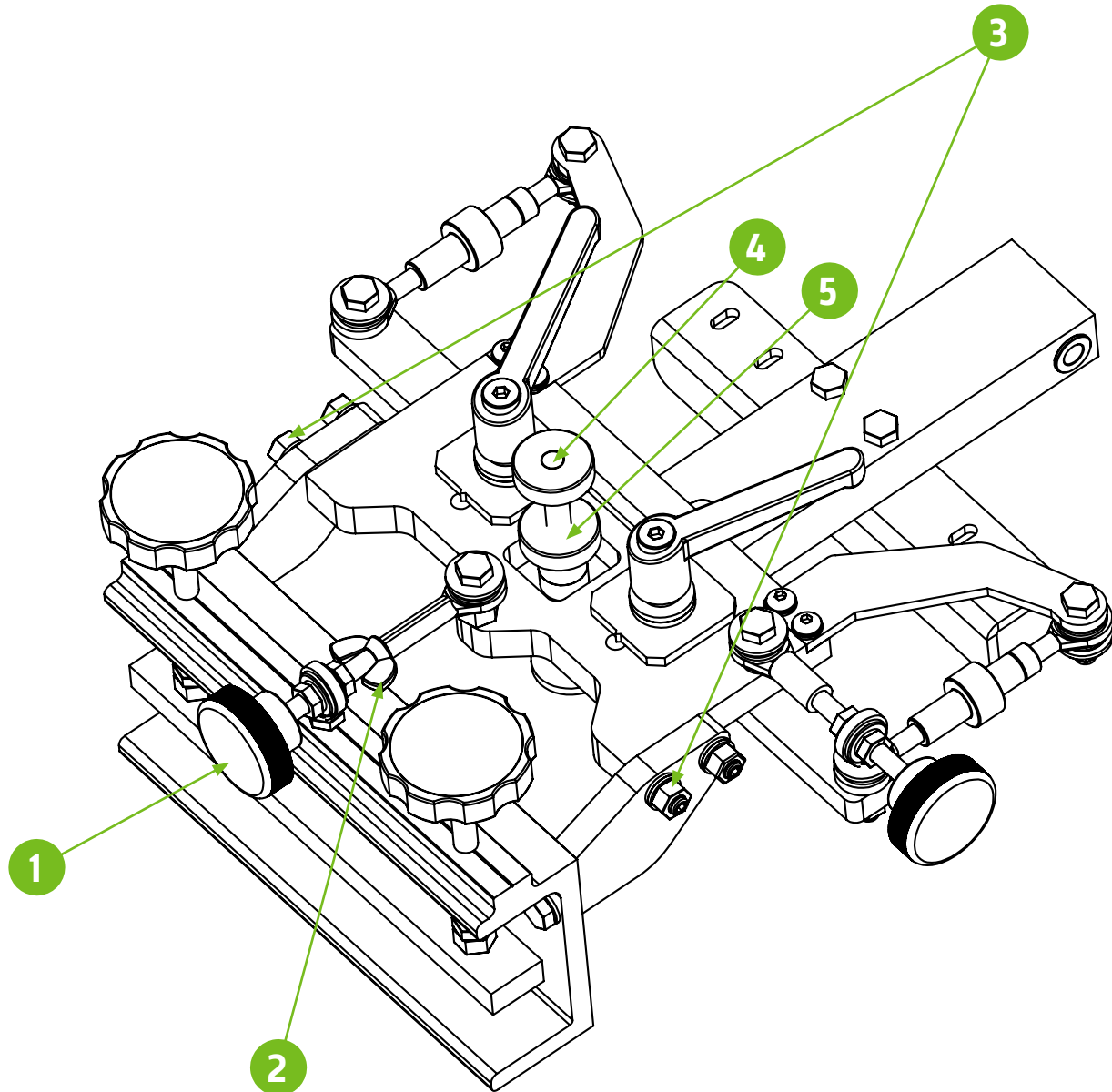


TILT/OFF CONTACT ADJUSTMENTS

Tools

1/2" combination wrench

Before adjusting off-contact **4** you must first loosen the off-contact jam knob **5**. Once the desired off-contact is set, retighten the jam knob to hold in place. Before adjusting the tilt micro **1** you must loosen the tilt wing nut **2**. Loosen the tilt locking nuts with a 1/2" wrench **3**. Once desired tilt is set, retighten the wing nut first and then the locking nuts.

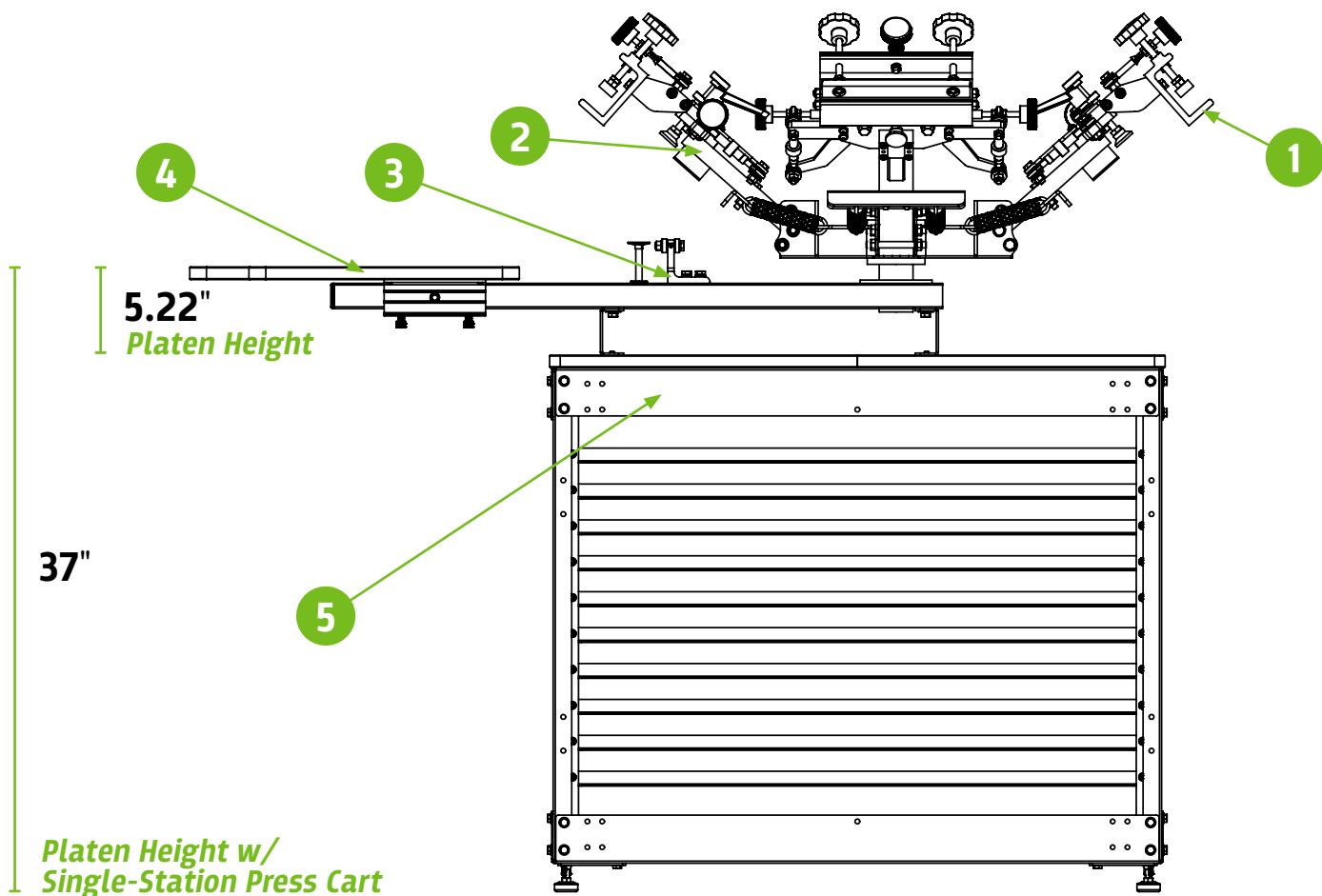


4X1 PRESS OVERVIEW

Riley Hopkins 250+ 4x1 presses are 5.22" from the bottom of the mounting feet to the top of the platens. A table height of approx. 32" is recommended to achieve the common platen height of 37" from the ground.

NOTE: Press is shown mounted on a **Riley Hopkins Single-Station Press Cart** (sold separately).

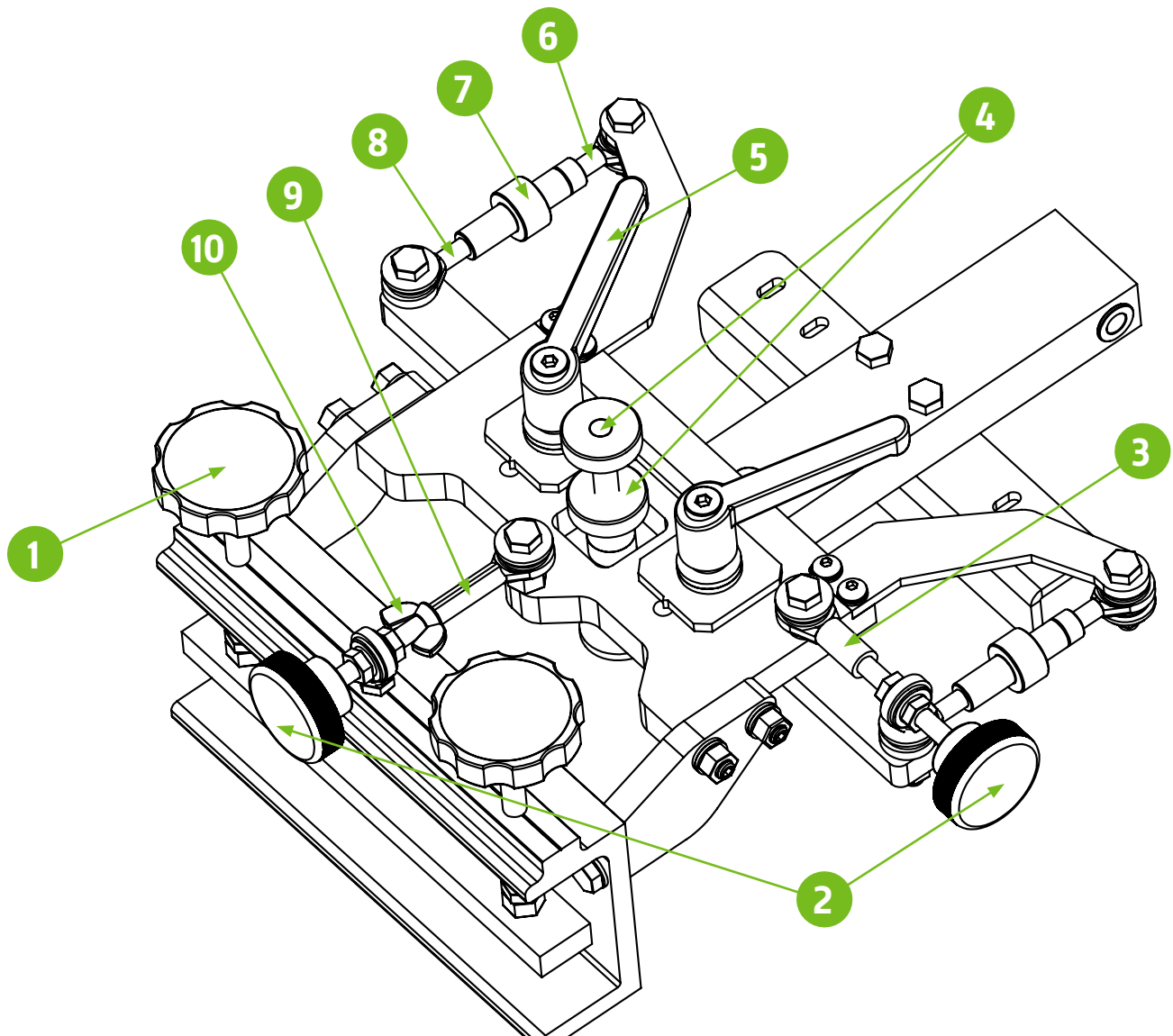
Tag	NAME/ID	DESCRIPTION	Qty.
1	PRSA-RH250CLMP	RILEY 250+ CLAMP HEAD ASSEMBLY	1/COLOR
2	PRSA-RH250PHED	RILEY 250+ PRINT HEAD ASSEMBLY	1/COLOR
3	PRSA-RH360GATE	RILEY 360/250+ BEARING GATE ASSEMBLY	1/UNIT
4	PLWD-WIN16X16N-LOW	RILEY 16" X 16" WOOD PLATEN WITH LOWPRO BRACKET	1/UNIT
5	PRAC-RH1STNCRT	OPTIONAL 1-STATION PRESS CART (SOLD SEPARATELY)	1/UNIT



PRINTHEAD OVERVIEW

PRSA-RH250PHDPLUS

Tag	NAME/ID	DESCRIPTION	Qty.
1	PRCO-KNBFLT3/8NC4ML	3/8-16 X 4 CLAMP KNOB	2
2	PRCO-KNBKNL5/16NF2-3/4ML	1-3/4" KNURLED KNOBS 5/16-24 X 2-3/4" STUD	2
3	PRCO-RDED5/16RHFM	5/16"-24 RIGHT HAND THREAD FEMALE ROD ENDS	1
4	MFMS-RH360KNB1	RILEY 360 3/8-16 OFF-CONTACT KNOBS	2
5	PRCO-KNBRCHT3/8NCFM	3/8 -16 INCH COURSE RATCHET HANDLES	2
6	PRCO-RDED5/16LHML	5/16-24 MALE ROD ENDS LEFT HAND THREAD	2
7	PRCO-KNBTKBKL5/16NF	TURNBUCKLE KNOB 5/16" NF-BLACK PLASTIC MICRO KNOB	2
8	PRCO-RDED5/16RHML	5/16-24 MALE ROD ENDS RIGHT HAND THREAD	2
9	PRCO-RDED5/16RHFMLS	5/16"-24 RIGHT-HAND FEMALE ROD ENDS LONG SHANK	1
10	PRHD-WINGNT5/16NF-SS	5/18-24 STAINLESS STEEL WING NUT	1





While we take pride in our quality and do our best to ensure your satisfaction, Riley Hopkins™/Ryonet® does not assume any liability for damages, whether consequential or incidental, that may result from the misuse of below stated specifications.

LIMITED WARRANTY

GENERAL PROVISIONS: The warranties described below apply ONLY to the original purchasers of new Riley Hopkins™ presses from Ryonet®, purchased on or after April 20, 2013. Under these warranties, Ryonet® will repair or replace, as Ryonet® elects, covered defective parts, materials, or workmanship without charge for parts or the reasonable cost of labor related thereto. Ryonet® will use only new or re-manufactured parts or components furnished by Ryonet® or a Ryonet® authorized third party.

WARRANTY DURATION: A lifetime warranty shall apply to covered Riley Hopkins presses, parts, components and materials purchased by Band Members. Non-Band members who purchase a Riley press will receive the stated limited warranty for a 2-year period from date of purchase.

WHAT IS COVERED: This warranty covers all non-wearable parts, non-wearable components, and non-wearable materials of new Riley Hopkins™ presses. HOWEVER, the following items are excluded from the scope of this warranty: expendable parts (including but not limited to bearings, springs, nylon bolts, oilites and fasteners). FURTHER, Ryonet® does not warrant failure of parts or components resulting from misuse or lack of proper maintenance, or improper installation.

WHAT IS NOT COVERED: Installation, inspection, and routine maintenance costs are the sole responsibility of the purchaser; used equipment; any equipment modified or altered in any way not approved by Ryonet® in writing including, but not limited to, disassembling bearing components; routine maintenance and lubrication; consequences of negligence, misuse, accident, or improper application, installation, or storage of the press; consequences of any service performed by someone other than a Ryonet® authorized provider.

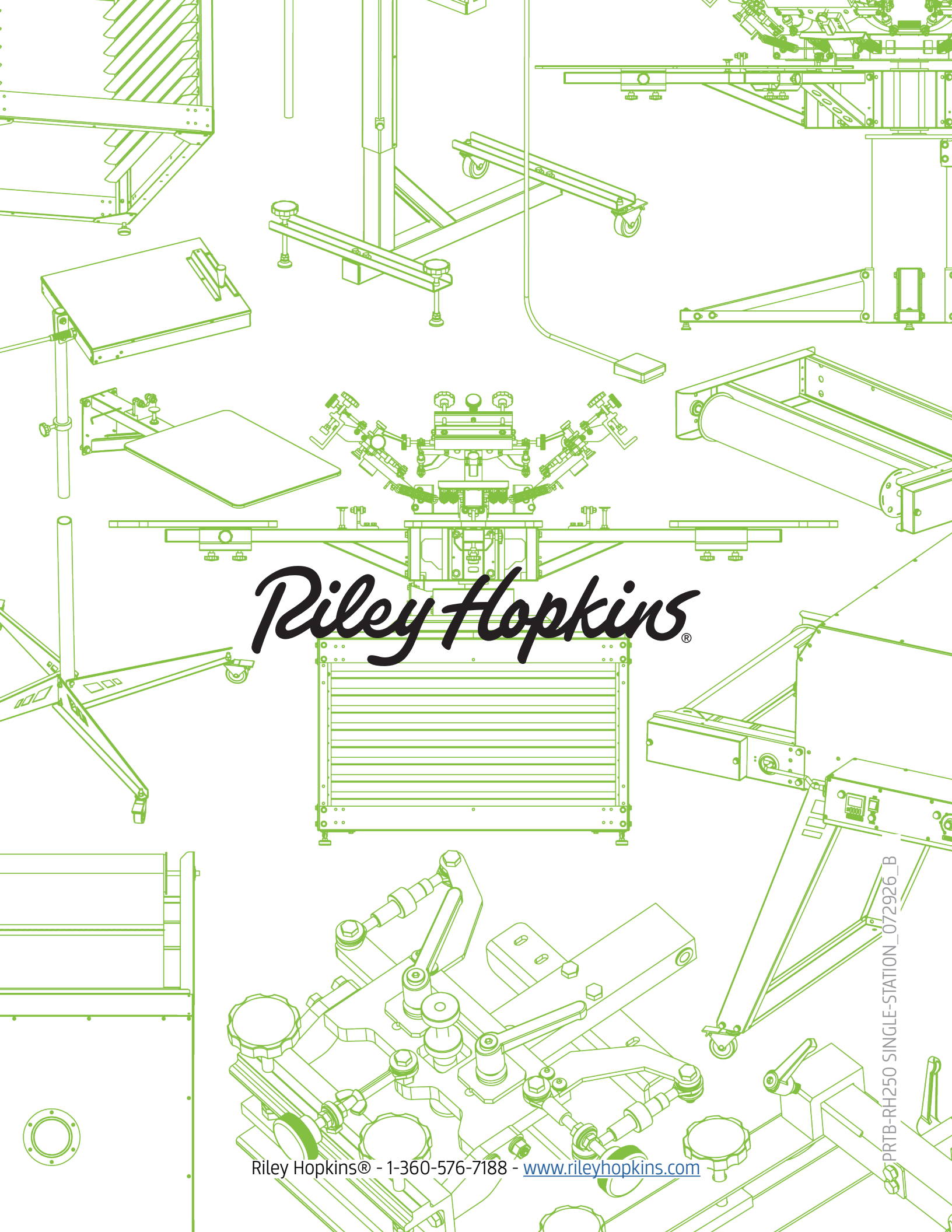
SECURING WARRANTY SERVICE: Warranty service must be requested of the nearest Ryonet® location. At the time of requesting warranty service, the person or entity requesting warranty service must be prepared to present evidence that it was the original purchaser of the Riley Hopkins™ press(es).

Written authorization must be obtained from Ryonet® before any part will be accepted. In order to return such defective part, contact Ryonet® to return such part freight prepaid. Replacement parts are sent out freight collect. Parts sent out prior to receiving defective part will be sent C.O.D., 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.

NO REPRESENTATIONS OR IMPLIED WARRANTIES: WHERE PERMITTED BY LAW, RYONET® NOR ANY RYONET® AFFILIATE MAKES ANY GUARANTIES, WARRANTIES, CONDITIONS, REPRESENTATIONS, EXPRESS OR IMPLIED PROMISES, ORAL OR WRITTEN, AS TO THE NONOCCURENCE OF ANY DEFECT, THE QUALITY, OR PERFORMANCE OF RILEY HOPKINS™ PRESSES OTHER THAN THOSE SET FORTH HEREIN. FURTHER, RYONET® NOR ITS AFFILIATES DO NOT MAKE ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS OTHERWISE PROVIDED BY THE UNIFORM COMMERCIAL CODE OR REQUIRED BY LAW TO THE FULLEST EXTENT PROVIDED BY LAW EXCEPT AS SET FORTH HEREIN. LIMITATION OF LIABILITY: The remedies set forth in this warranty are the purchaser's exclusive remedies in connection with the performance of, or any breach of any guarantee, condition, or warranty with respect to any new Riley Hopkins™ presses. In the event the above warranty fails to correct purchaser's performance problems caused by defects in workmanship and/or materials, purchaser's exclusive remedy shall be limited to payment for actual damages in an amount not to exceed the cost of the press. IN NO EVENT SHALL RYONET OR ANY AFFILIATE OF RYONET® BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURIES TO THE FULLEST EXTENT PROVIDED BY LAW, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, LOSS OF MERCHANDISE, SUBSTITUTION, OR OTHER COMMERCIAL LOSS, FOR DAMAGE SUFFERED BY PURCHASER ARISING FROM A RILEY HOPKINS™ PRESS, UNLESS SUCH DAMAGES OR INJURIES ARE CAUSED BY THE GROSS NEGLIGENCE OR INTENTIONAL ACTS OF RYONET®. RYONET® FURTHER DISCLAIMS ALL LIABILITY FOR BODILY INJURIES TO THE FULLEST EXTENT PROVIDED BY LAW. NO SELLER'S WARRANTY: No person or entity, other than Ryonet®, who sells the Riley Hopkins™ press has the authority to make any guarantee, representation, promise, or warranty with respect to any Riley Hopkins™ press unless the person or entity delivers to the purchaser a separate written guaranty certificate specifically guaranteeing the press, in which case Ryonet® shall have no obligation to the purchaser. Neither original Riley Hopkins™ manufacturers, distributors, or dealers, nor any other person or entity, has any authority to make any representation or promise on behalf of Ryonet® or to modify the terms or limitations of this warranty in any way.

ADDITIONAL INFORMATION

For additional information concerning the Riley Hopkins™/Ryonet® Press Warranty, contact support@ryonet.com or 1-800-314-6390



Riley Hopkins®

Riley Hopkins® - 1-360-576-7188 - www.rileyhopkins.com

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