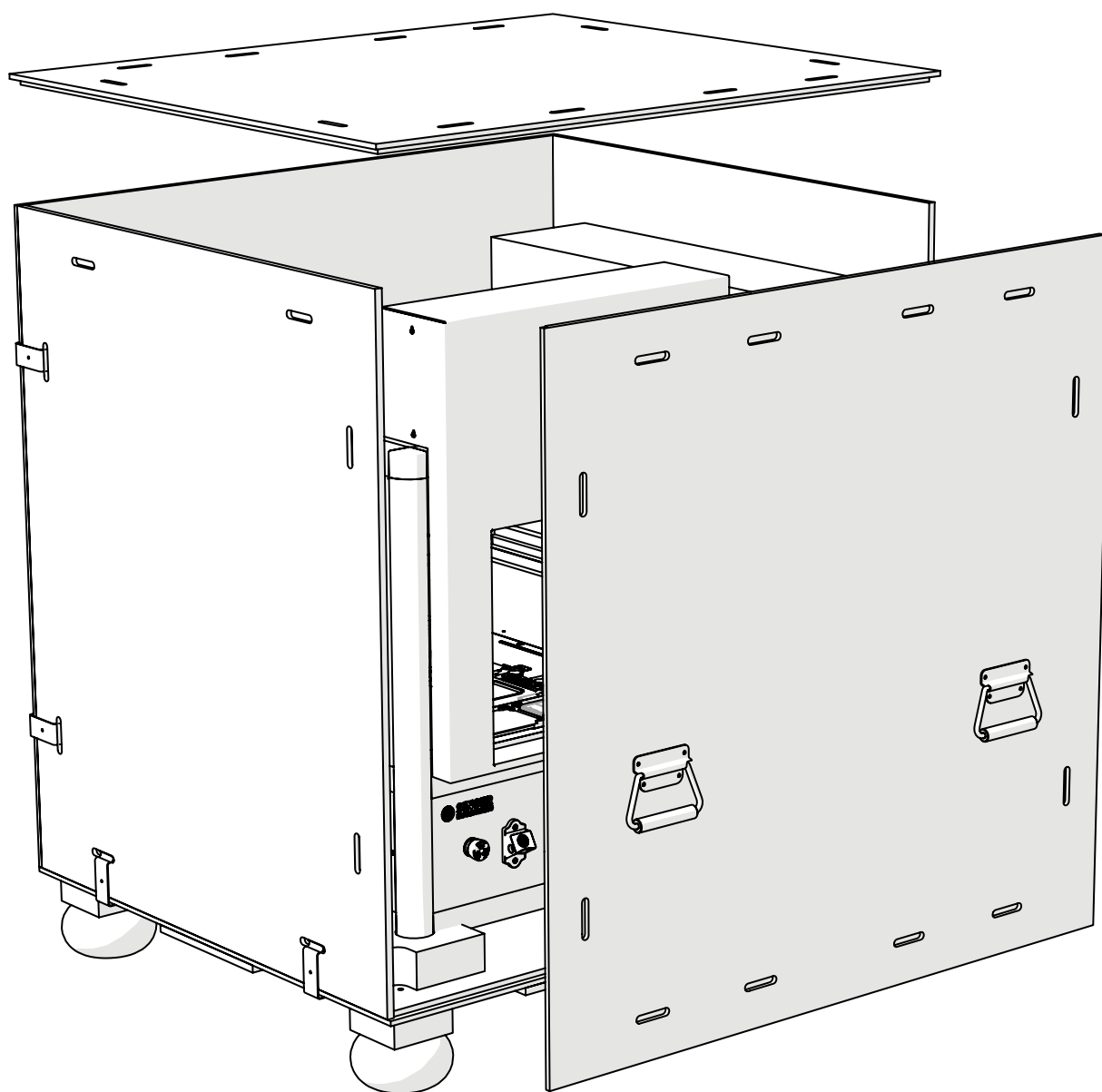




3	REQUIRED PACKING ITEMS
4	PIXL DARK PACKING
4	Removing the Accessories
7	Adding the Transit Brackets
10	Packing the Transit Crate

PIXL DARK PACKING

The disassembly and packing of the PIXL Dark requires no special skills — you just need the instructions in this guide.

If you have any questions before or during packing process, we're on hand to help:

Phone: +44 (0) 1984 640226

Email: technicalsupport@singerinstruments.com



BEFORE YOU START!

- **Heavy! Lifting requires 4 people.** The PIXL Dark weighs >100kg. It will require 4 people to lift it from the bench onto the packing crate base. Always lift the PIXL Dark by its side transit handles. To reduce manual handling, ensure the packing crate base is close to the PIXL Dark crate when you are ready to perform the lift. Leave at least 1m around the crate base to comfortably pack the PIXL Dark.

REQUIRED PACKING ITEMS

PACKING ITEMS

If you are missing any of these items, please contact us as they are essential to successfully pack your PIXL Dark.

1. PIXL Dark Packing crate and ClipLok Clips
2. ClipLok Clip lever
3. Accessories Box and associated boxes for UV Bulbs, keyboard , mouse and screen.
4. (2x) Transit Handles
5. (8x) M6 Transit Bolts
6. (4x) M10 Washers
7. (8x) M10 Nuts
8. Floating Head transit bracket
9. (2x) Door Transit Brackets
10. M4 Transit Bolt
11. Transit roller

TOOLS

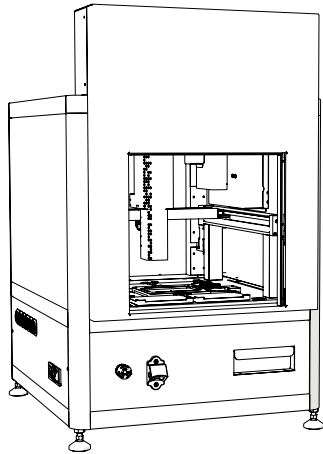
12. 3mm Hex key
13. 6mm Hex key

ADDITIONAL TOOLS REQUIRED

12. 17mm Spanner
13. 10mm Spanner
14. Long Cable Ties
15. Tape

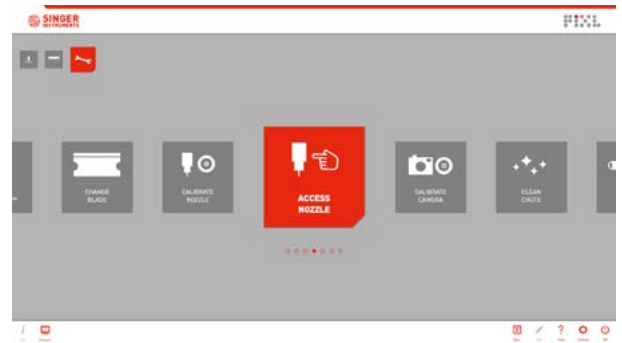
PIXL DARK PACKING - REMOVING THE ACCESSORIES

1



- If not already. Turn on and initialise your PIXL Dark.

2



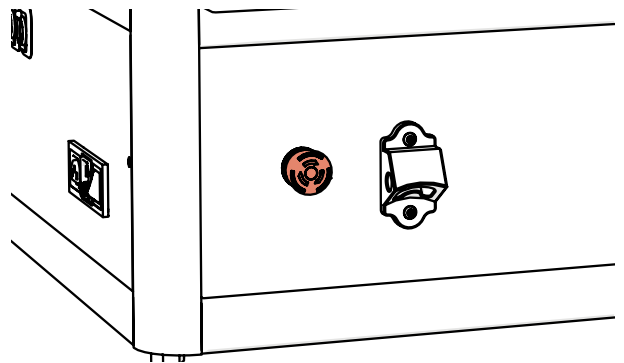
- Select Access Nozzle from the maintenance menu. PIXL Dark will move the floating head to the front of the machine.

3



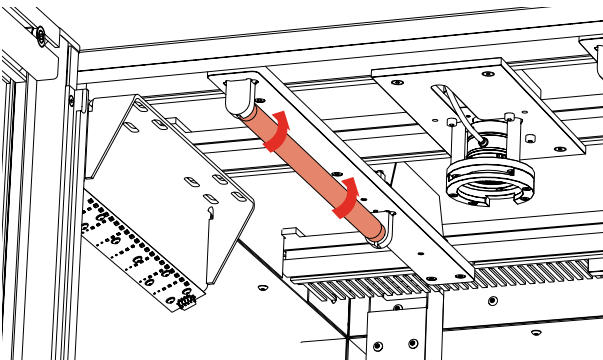
- PIXL Dark will prompt you to open the door, press 'Open Door' to continue.

4



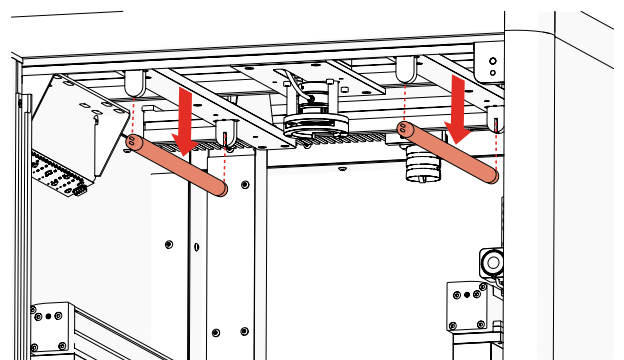
- Ignore the onscreen animation and instructions. Press the Emergency-stop on the front of the machine. This allows you to safely move the PIXL head.

5



- To unlock the UV bulbs, turn each bulb 90 degrees in any direction until you hear a click.
- NOTE: Wear Gloves

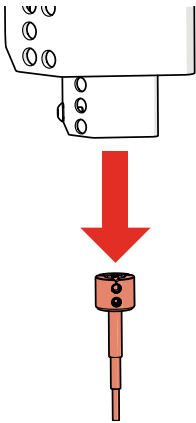
6



- Slide each UV bulb down from the UV sockets attached to the roof of the main cabinet and return to their protective box.

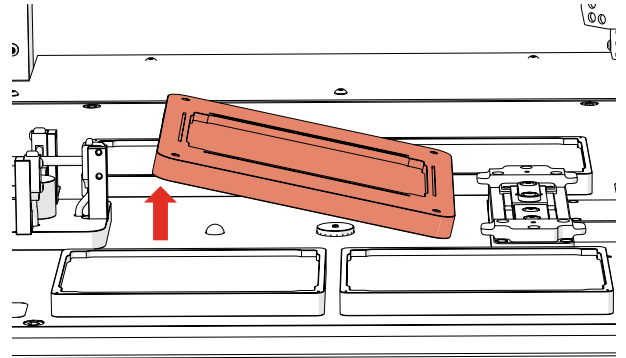
PIXL DARK PACKING - REMOVING THE ACCESSORIES

7



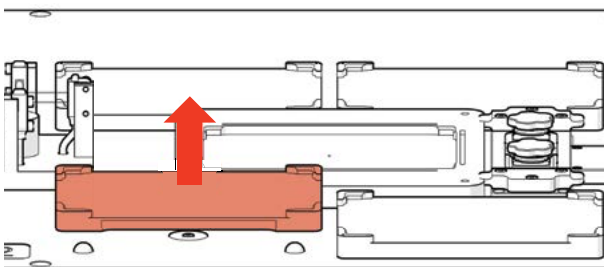
- Remove the Kinematic Nozzle from the securing magnetic ring.
- Return the nozzle to the accessories box.

8



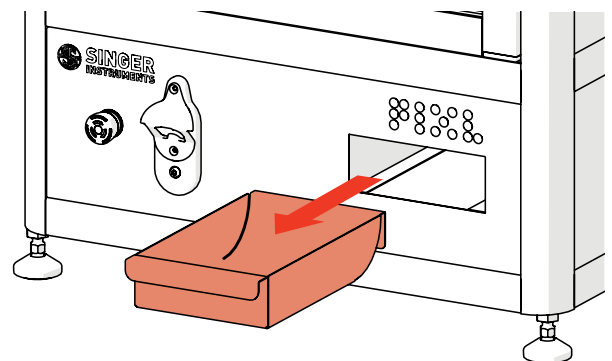
- Remove the Source Bay from the magnetic base.
- Return the Source Bay to the accessories box.

9



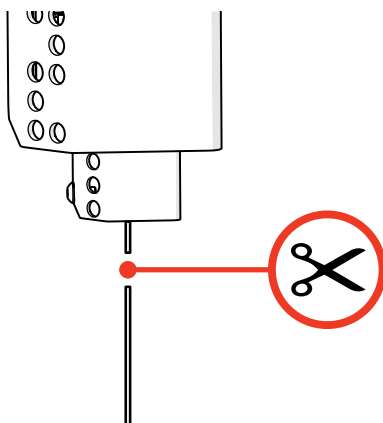
- If you have a Maldi compatible PIXL, remove the removable target bay from the Bay 2 position.
- Return the target bay to the accessories box.

10



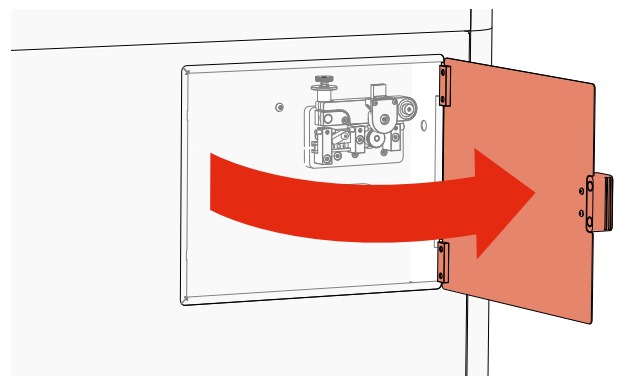
- Remove the Dump Drawer from the front of the PIXL. Clean if necessary.
- Return the Dump Drawer to the accessories box.

11



- Carefully cut the extended filament at the nozzle end if dirty or frayed.
- NOTE: Maybe hot!

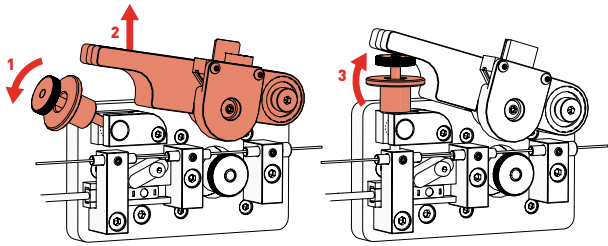
12



- Open the PickupLine compartment.

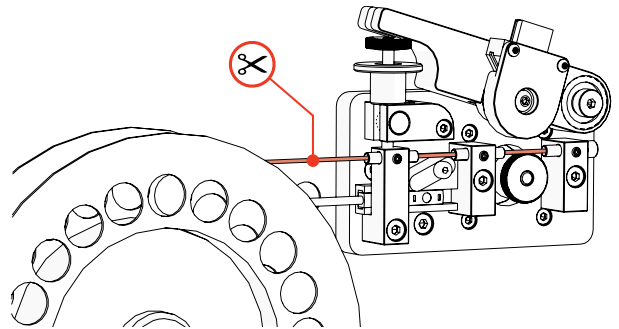
PIXL DARK PACKING - REMOVING THE ACCESSORIES

13



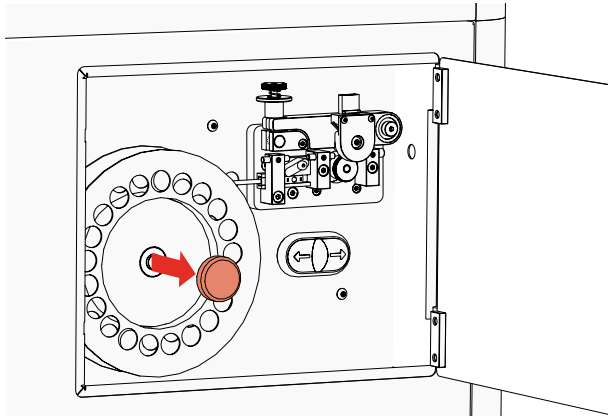
- Carefully lift the Tension Lever and rest it on the spring catch as shown.

14



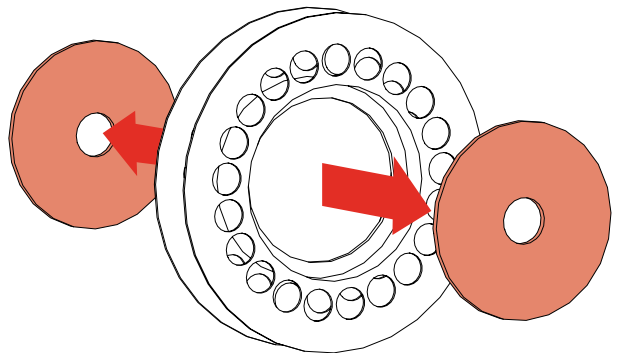
- Carefully cut the PickupLine between the reel and the feed mechanism.
- Tape the loose end of the filament so it doesn't unravel.

15



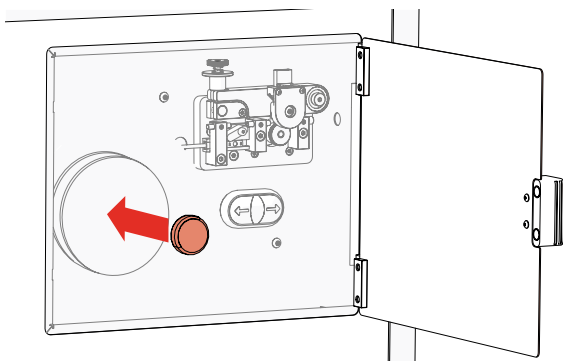
- Remove the Reel cap cover.

16



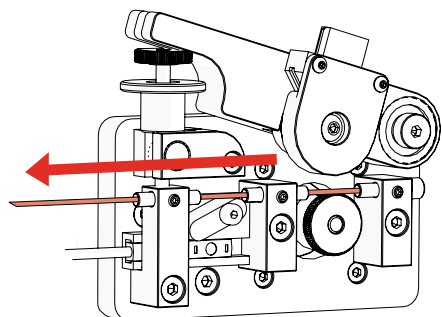
- Remove the Reel assembly from the Reel compartment and remove the backing plates from the PickupLine Reel.
- Return the Reel to the accessories box.

17



- Return the Reel backing plates and cap cover to the PickupLine compartment.

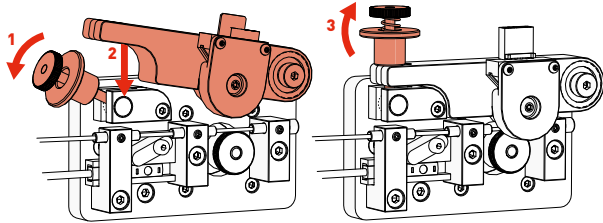
18



- By hand, gently pull back the PickupLine through the 3 entry guides and discard the leftover filament.

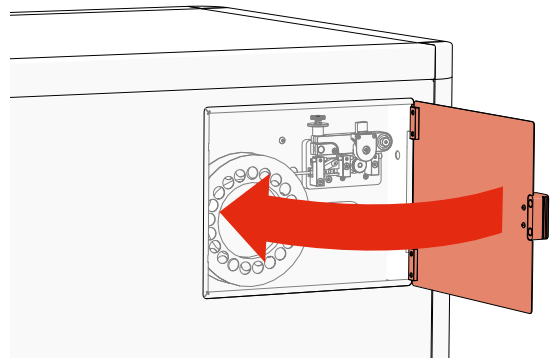
PIXL DARK PACKING - REMOVING THE ACCESSORIES / ADDING THE TRANSIT BRACKETS

19



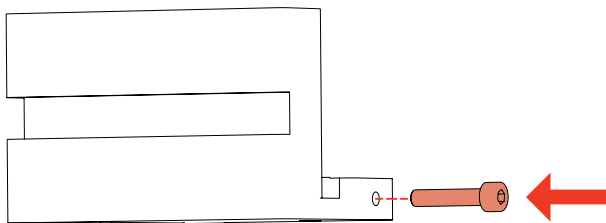
- Reset the tension lever.

20



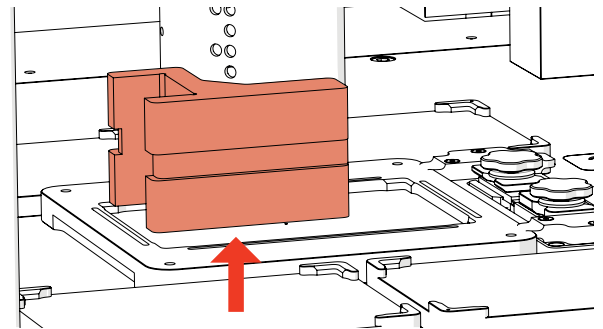
- Close the PickupLine Compartment.

21



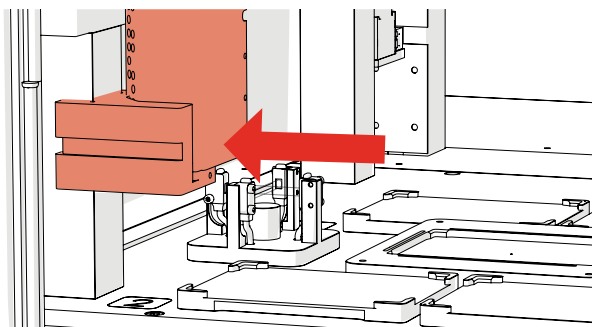
- Ensure that the securing screw is attached to the transit bracket.
- NOTE: Don't over tighten

22



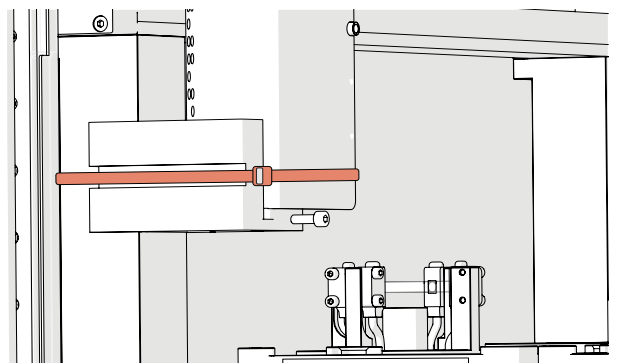
- Attach the transit bracket to the head cover.
- NOTE: The spigots align with the holes in the cover.

23



- Push the floating head and transit bracket to the left. Locate onto the left gantry leg.

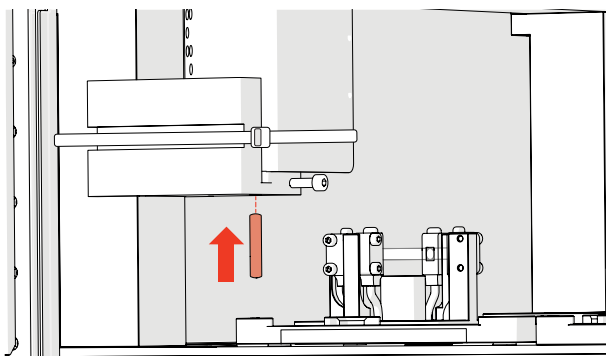
24



- Secure the floating head and transit bracket to the gantry leg using a cable tie.
- Ensure that the cable tie is in the slot and secured tight.

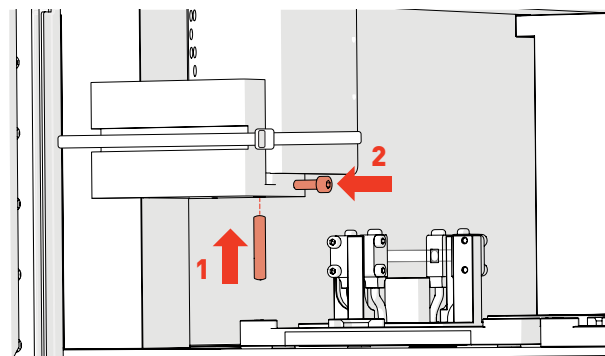
PIXL DARK PACKING - ADDING THE TRANSIT BRACKETS

25



- Insert the needle roller into the hole on the bottom of the transit bracket.

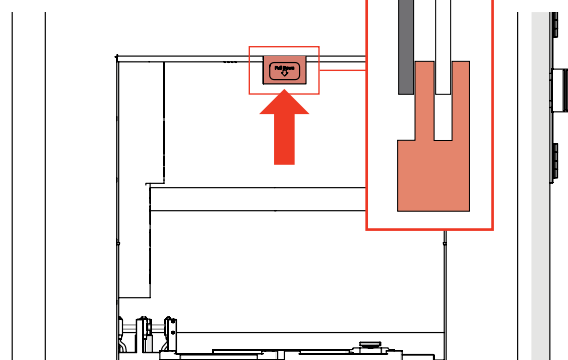
26



- Gently push the needle roller up till you meet resistance (1).
- Secure the needle roller in place using the attached screw (2).

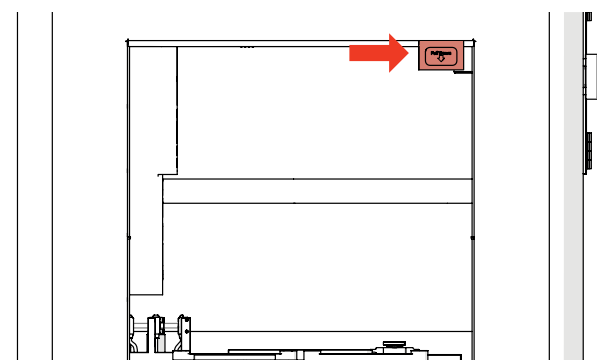
27

Blackout Door Clear Door



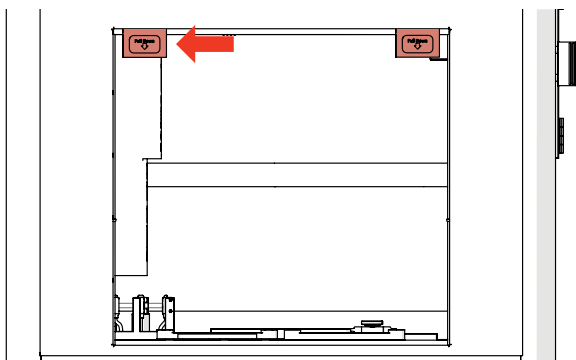
- Slide the first door transit bracket between the panes in the middle of the door.
- The clear door should sit in the felted channel of the transit bracket.

28



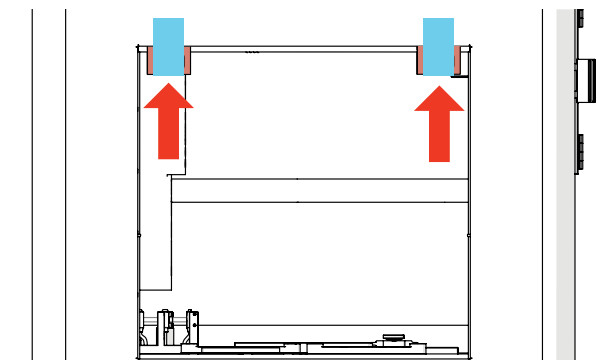
- Slide the transit bracket to the right hand edge.

29



- Repeat steps 22-23 with the second transit bracket.
- Slide this bracket to the left hand edge.

30



- Gently push both brackets up to the limit of the channel. You should feel a slight tightness.
- Tape the brackets in place.

PIXL DARK PACKING - ADDING THE TRANSIT BRACKETS

31



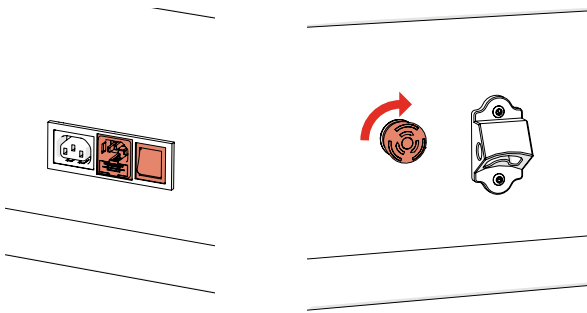
- Click through the on screen instructions.
- PIXL Dark will show the close door graphic.

32



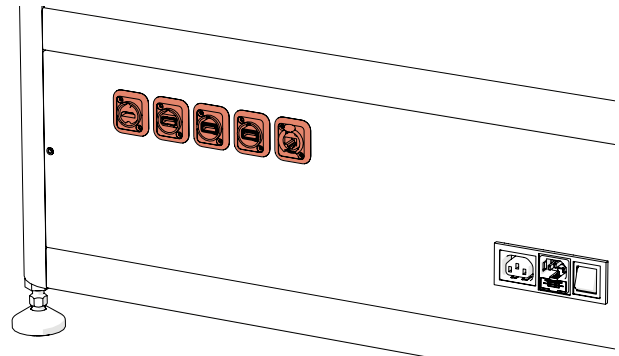
- Shutdown your PIXL Dark using the power options menu.

33



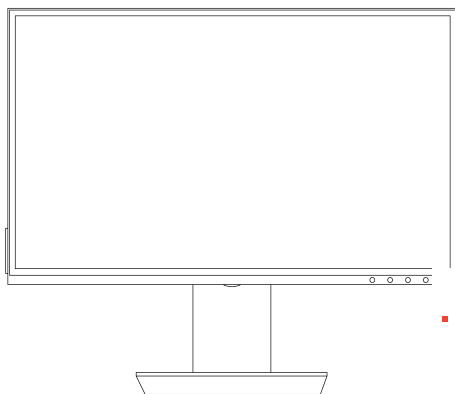
- Turn off the Power switch.
- Turn the E-Stop 90 degrees ready for unpacking at its destination. You should hear it click.

34



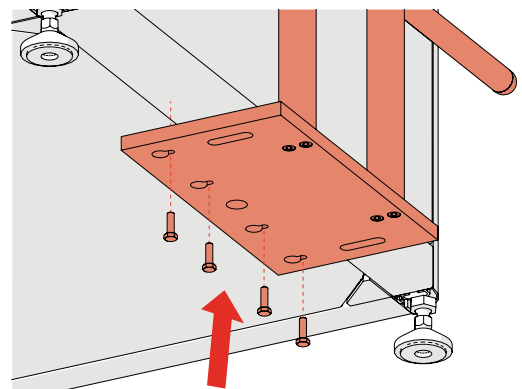
- Remove the keyboard, mouse and screen connections from the side of PIXL Dark.
- Clean (if required) and return the peripheral devices to their boxes.

35



- Pack the screen into the box it arrived in.

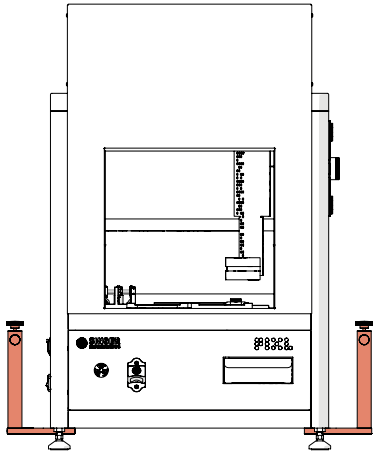
36



- Attach one of the transit handles to the underside of PIXL Dark using the 4 bolts and 10mm spanner.

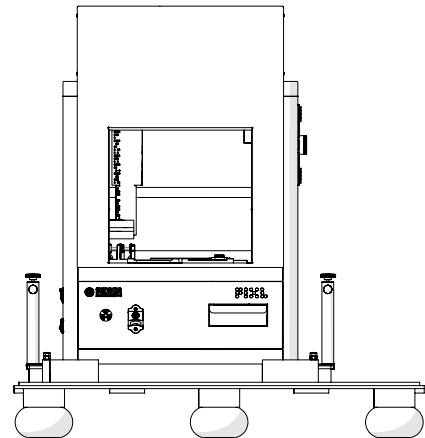
PIXL DARK PACKING - PACKING THE TRANSIT CRATE

37



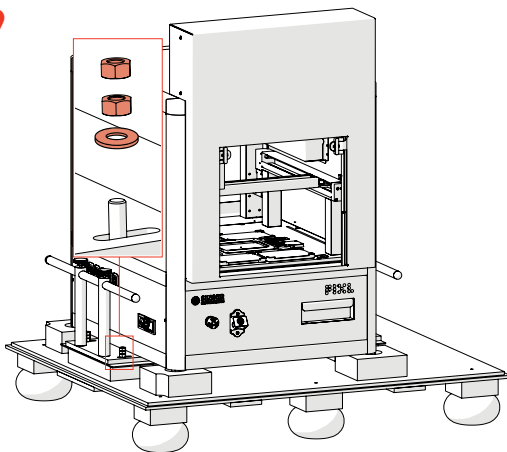
- Repeat step 36 for the other transit handle.

38



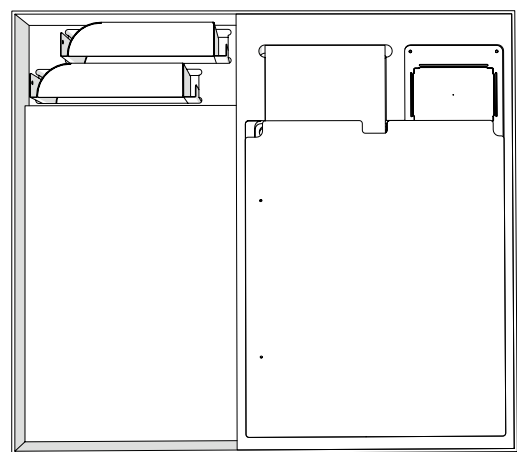
- Using good manual handling practices, use the PIXL Dark transit handles to lower the PIXL Dark onto the crate base.
- **NOTE: Heavy: Minimum of 4 people recommended.**

39



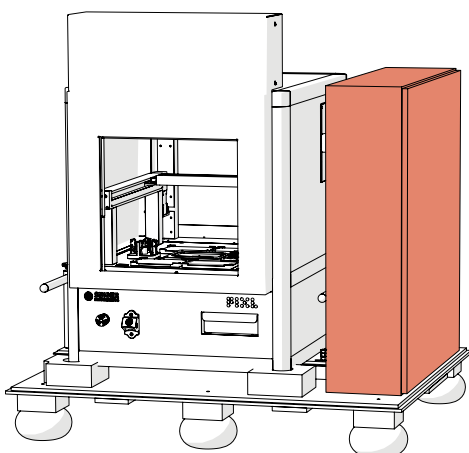
- Secure the PIXL Dark to the packing crate using the locking nuts.
- Tighten the nuts using a 17mm Spanner

40



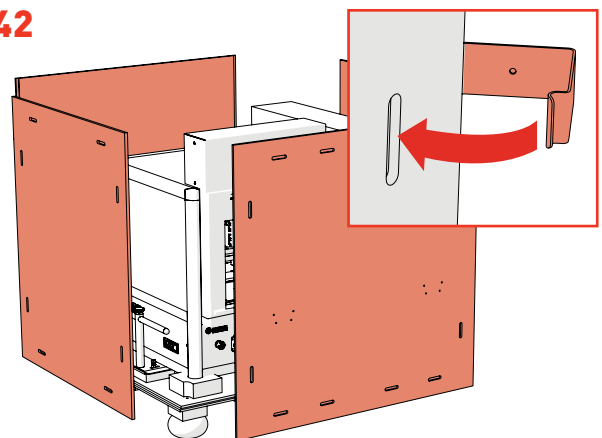
- Ensure all of the items removed from your PIXL Dark are back in the accessories box.

41



- Place the accessories box next to the fixed PIXL Dark.

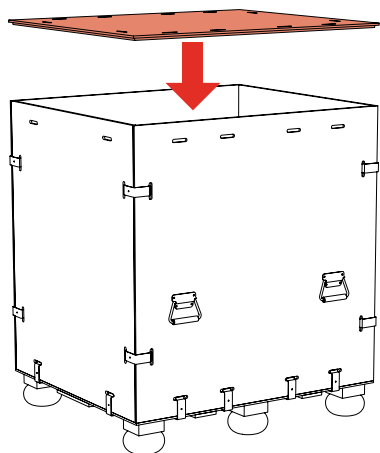
42



- Assemble the crate side panels together and secure using the ClipLok clips.
- Place one end of the clip into a slot and snap into the slot on the next panel as shown above.

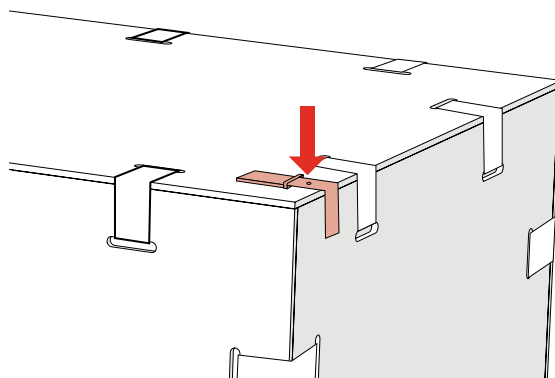
PIXL DARK PACKING - PACKING THE TRANSIT CRATE

43



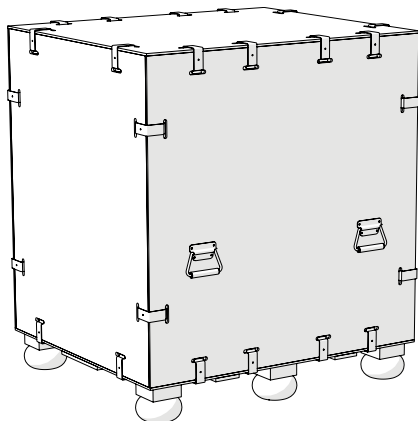
- Ensure all required documentation is in the crate before sealing the lid using the remaining clips.

44



- Secure the ClipLok lever to the side of the crate.

45



- You're all packed and ready to ship!



SINGER INSTRUMENTS

A RESPONSIBILITY TO SCIENCE!

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DISCLAIMER

At Singer Instruments, we are constantly seeking to improve our products and adapt them to the requirements of modern research techniques and testing methods. This involves modification to the mechanical structure and optical design of our instruments. Therefore, all descriptions and illustrations in this user guide, including all specifications are subject to change without notice.