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# UNITRON®

BALL BEARING  
**BOOM STAND**  
MANUAL



## UNPACKING AND COMPONENTS

- Base
- Horizontal boom with cross block
- Vertical post
- Tension knobs (3)
- Safety lock collar
- Hex bolt
- Lock lever
- Hex wrench
- Bonder arm mount

**Warning:** Some components (especially the base) are very heavy, please handle with extra caution.

## INSTRUCTIONS

1. Carefully remove all parts from box and check for all package contents as listed above and shown below.



1. Base
2. Horizontal boom with cross block
3. Vertical post
4. Tension knobs (3)
5. Safety lock collar
6. Hex bolt
7. Hex wrench
8. Lock lever and bonder arm mount

## BALL BEARING BOOM STAND

2. IT IS RECOMMENDED TO HAVE SOMEONE HOLD THE BASE DURING THIS STEP. To prevent tipping off the table, hang just enough of the base off the edge of a table to expose the hole for the hex bolt. Use the hex bolt to attach the vertical post to the base and tighten using the provided hex wrench.



3. Place the base on the table and unscrew the cap on the vertical post.

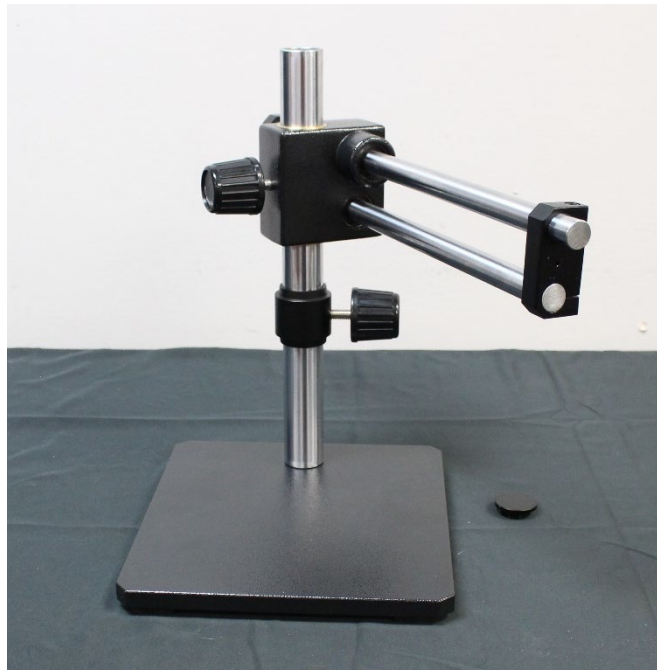


## BALL BEARING BOOM STAND

4. Insert the safety lock collar onto the vertical post and tighten/lock it using the clamp.

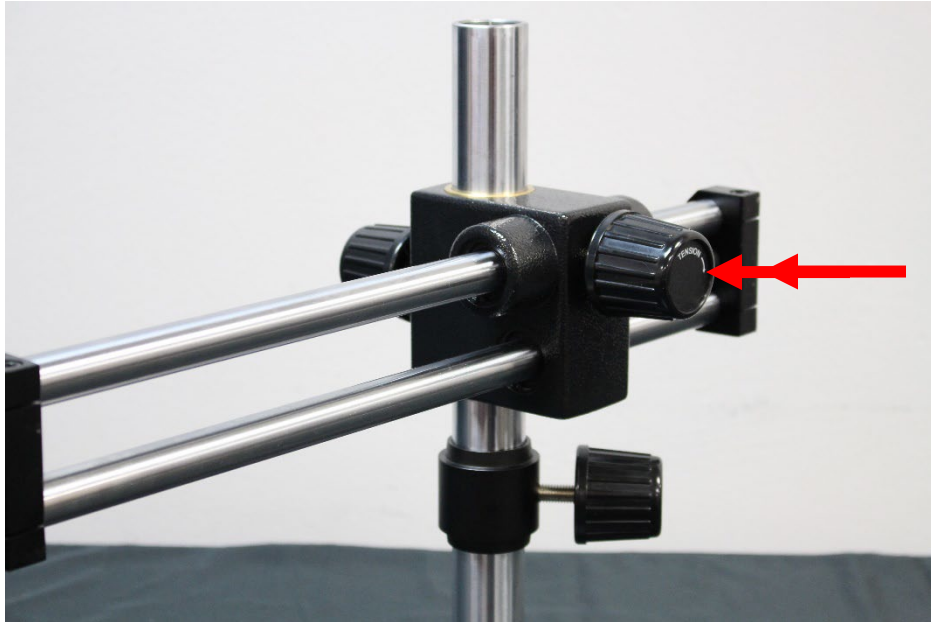


5. Slide the horizontal boom with cross block onto the vertical post. Thread tension knob into hole on cross block closest to the vertical post. Tighten the tension knob to hold the cross block in place on the vertical post.

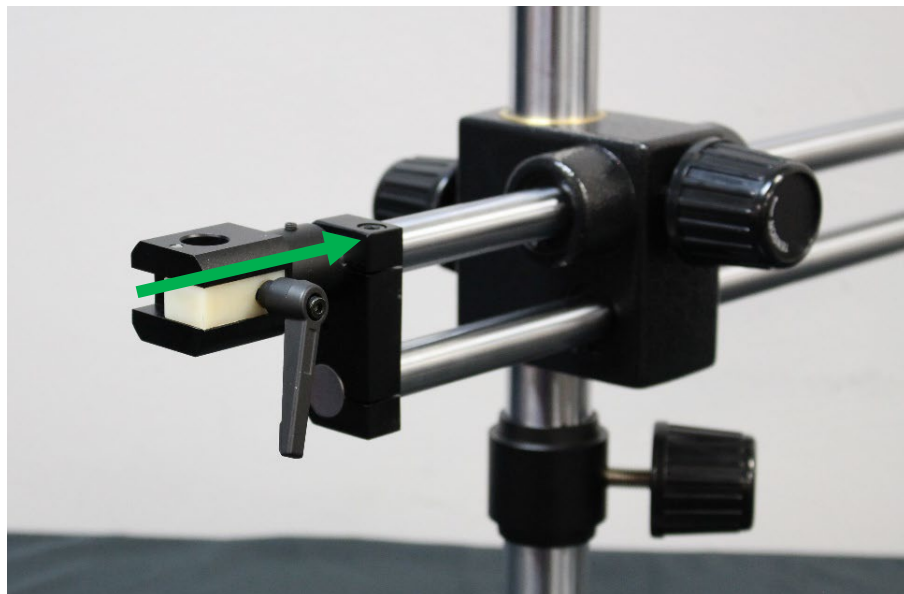


## BALL BEARING BOOM STAND

6. Thread a tension knob into the cross block to secure the horizontal boom from sliding. Before operation, loosen the tension knob to reposition the horizontal boom to the desired height on the vertical post, then tighten again.

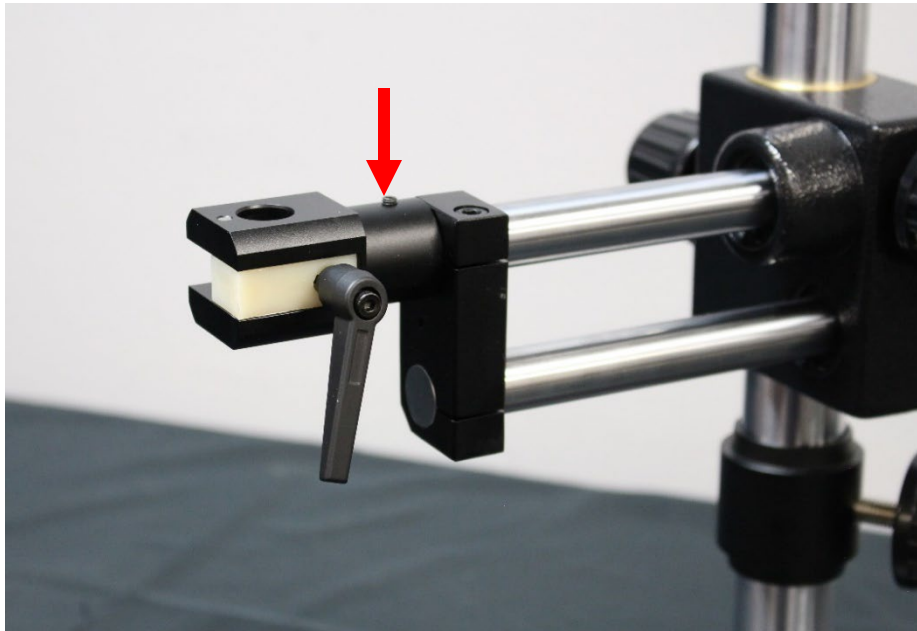


7. Attach the bonder arm mount onto the end of the horizontal boom in the direction of the green arrow. Be sure to slide the mount onto the boom completely. Then tighten the 2.5mm locking hex screws (red arrow; one on top, one on side) to secure the bonder arm mount.





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8. Assembly is complete.



NOTE: After completing assembly and installation of the microscope (instructions are not included in this manual), reposition the safety lock collar to a position just below the cross block.

NOTE: This boom stand is compatible with all UNITRON®, ACCU-SCOPE® and stereo microscopes from other manufacturers with Ø76mm bodies.

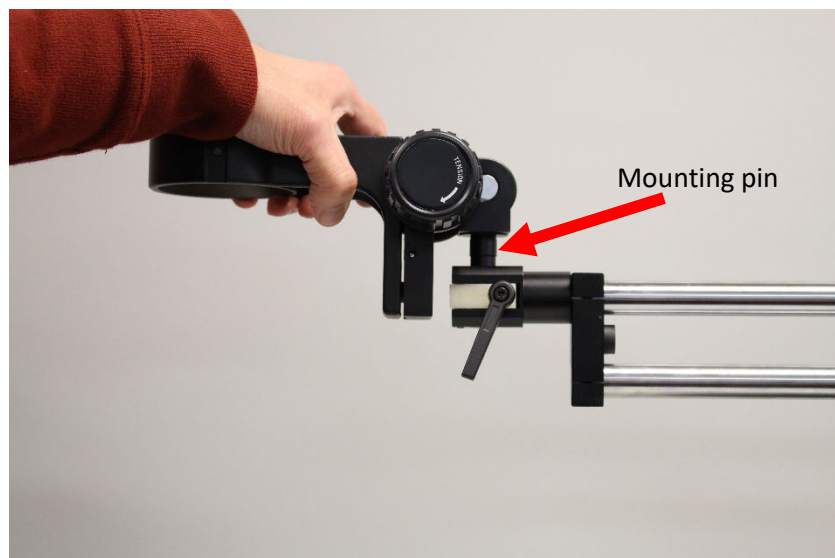
## Bonder Arm Setup

**\*A bonder arm is not included with the boom stand and must be purchased separately.**

1. Loosen the locking lever in the bonding arm receiver on the end of the horizontal boom.



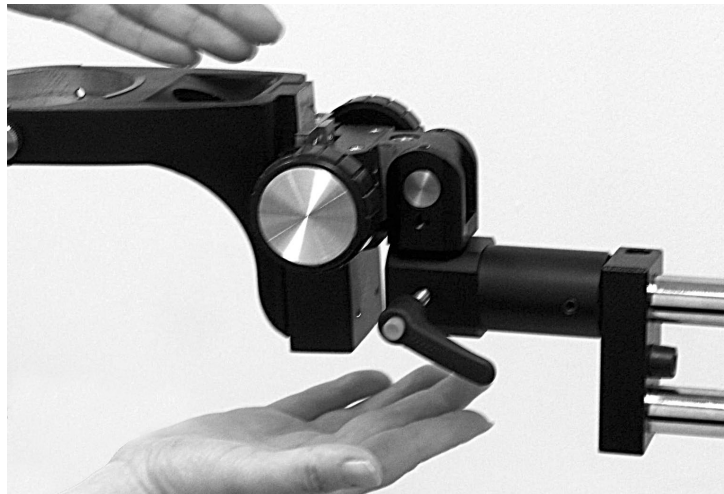
2. Insert the mounting pin of the bonder arm (a.k.a. focus mount) into the end of the horizontal pillar. The mounting pin may be inserted from the top, front or bottom (top installation shown). Make sure the mounting pin is completely inserted.



## BALL BEARING BOOM STAND



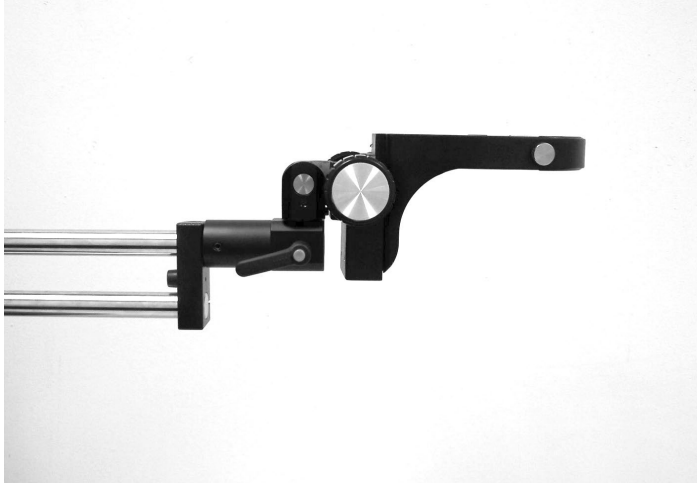
3. Tighten the locking lever to secure the bonder arm in the mount.





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4. The bonder arm can be inserted from the TOP, or BOTTOM or HORIZONTALLY. The hex screw on the joint of the bonder arm can be loosened to allow positioning of the bonder arm at different angles. BE SURE TO TIGHTEN THE HEX SCREW ON THE BONDER ARM JOINT AFTER ADJUSTING ANGLE.



TOP MOUNTED



BOTTOM MOUNTED



HORIZONTALLY MOUNTED