



KONICA MINOLTA

Measurement Stand Set VI-B38 for VIVID 9i

Measurement Stand Set VI-B38 is designed to hold the VIVID 9i to enable more stable measurements. The set includes the Camera Platform to be used like a tripod. The Measurement Stand Set makes measurements from a high position or a forward-tilting posture possible through adjustment of the arm.

⚠️ Cautions during assembly

1. There are some parts that have sharp edges. It is recommended that long sleeves, long trousers, and leather work gloves be worn during assembly.
2. Some parts that are heavy. Be careful not to catch your fingers between the parts or injure your toes by dropping such parts.
3. Assembly should be performed by two or more persons working together. Share the load when holding or attaching parts in order to avoid awkward or improper posture during assembly.
4. Perform assembly in a sufficiently large space. Leaning parts against a wall, etc. may result in such parts falling over.

Composition of this stand set

Measurement Stand Set VI-B38 consists of two assemblies, the stand assembly and the VIVID 9i mounting assembly, which are supplied separately. The stand assembly is divided into 3 sections, so that 3 boxes are supplied. It is necessary to put these assemblies together before using this stand set. Make sure that you have all of the following parts.

(1) Legs (Left and right legs are different.)	2 pcs.	(5) Support 1 With elevating box	1 unit	(7) Arm With Platform Adapter	1 pc.	(10) Camera Platform (VI-A29) With Grip	1 unit
(2) Hexagon socket head cap screws (M6)	8 pcs.	(6) Support 2	1 unit	(8) PC table	1 unit	(11) Counterweights (VI-A30)	2 pcs.
(3) Hexagon nuts (M10)	3 pcs.						
(4) Hexagon flush bolt (M10 hexagon flat head screw)	1 pc.			(9) Bottom plate	1 unit		

■ Accessory tools

Spanner for M10 nut: 1 pc.

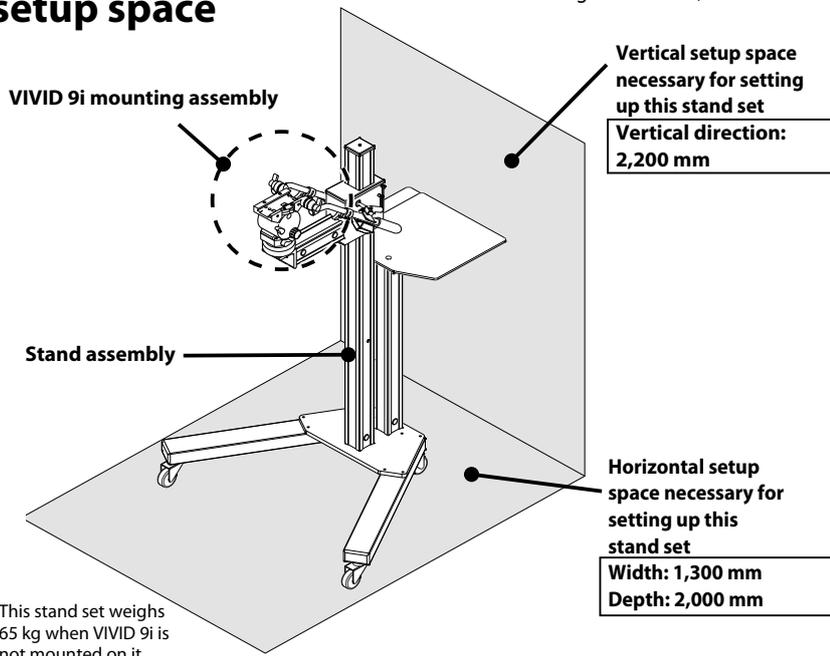
Hexagonal wrench (L) for M10 bolt: 1 pc.

Hexagonal wrench (S) for M6 bolt: 1 pc.

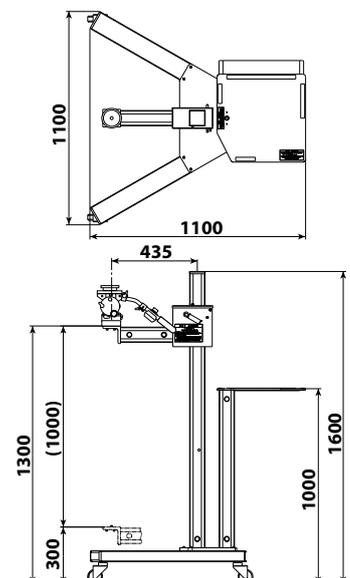
Assembling and setting up the stand set

1. Names of parts and setup space

In addition to the dimensions of the stand set itself, additional space is required for mounting the VIVID 9i, for movement, and for working.



■ Dimensional drawing (Unit: mm)



This stand set should be assembled in the following procedures:

2. Assembling the stand assembly

(1) Attaching the legs

- Attach the right and left legs to the bottom plate using four hexagon socket head cap screws inserted from the top surface of the bottom plate and tighten screws securely.

The left and right legs are different. Check the positions of the screw holes of the bottom plate and the legs when attaching them.

(2) Attaching the supports

- Attach the supports 1 and 2 to the bottom plate after attaching the legs.

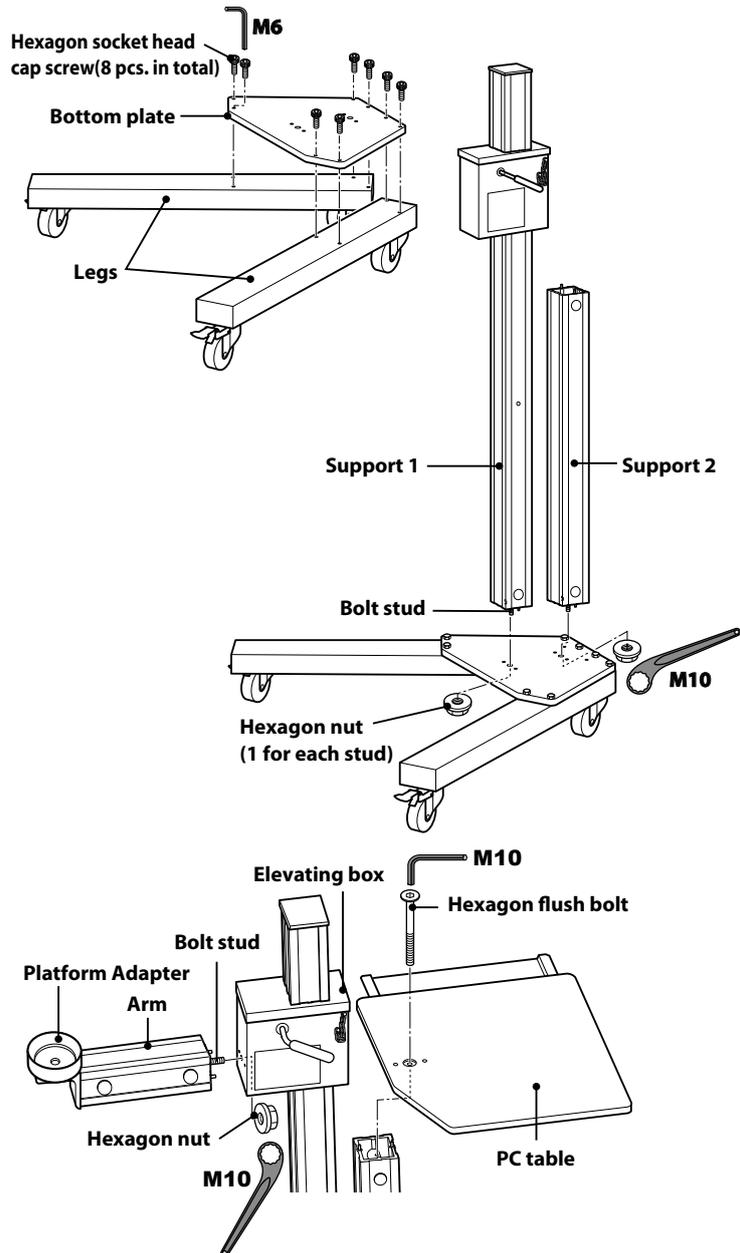
Insert the bolt studs and positioning pins of supports 1 and 2 into the corresponding holes of the bottom plate. Then, thread hexagon nuts onto the bolt studs from the bottom and tighten securely.

(3) Attaching the arm

- Insert the bolt stud and the positioning pins of the arm into the corresponding holes of the elevating box. Then, thread a hexagon nut onto the bolt stud from the opposite side.

(4) Attaching the PC table

- Place the PC table on the upper surface of the support 2 after aligning the positioning pins in correct positions. Then, secure the PC table with the hexagon flush bolt.



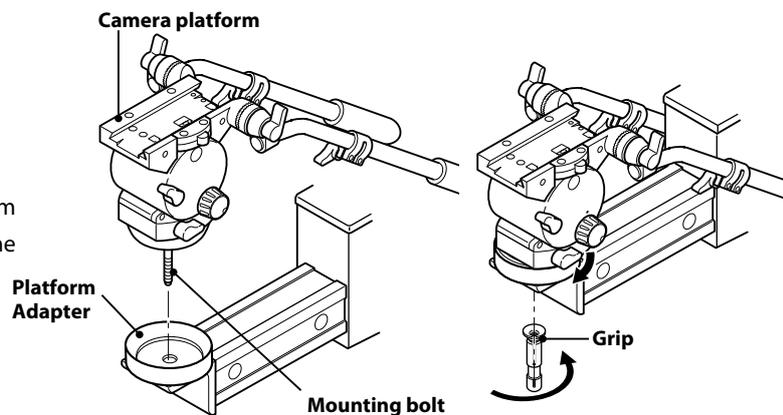
3. Assembling VIVID 9i mounting assembly

(1) Attaching the camera platform

- Insert the mounting bolt at the bottom of the camera platform into the hole in the center of the platform adapter, and tighten the grip from the bottom side of the arm.

Note

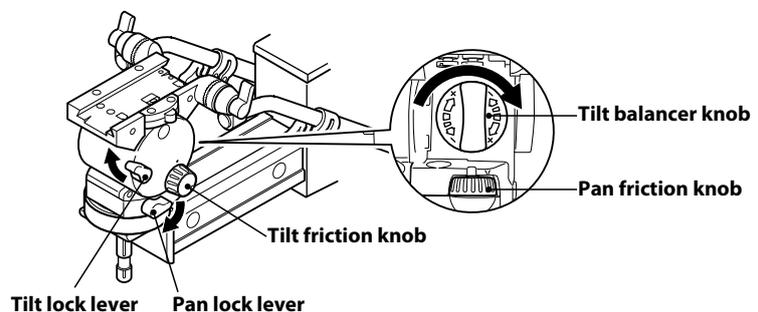
- Do not remove the platform adapter from the arm.



(2) Attaching the counterweights

In order to ensure stability when VIVID 9i is mounted, attach the counterweights according to the following procedures:

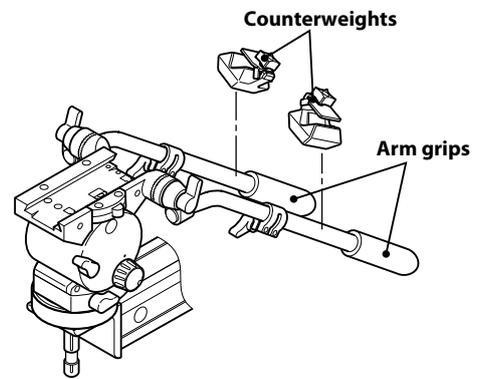
1. Turn the tilt balancer knob of the camera platform in direction "+" till the knob stops, set the tilt balancer to the strongest position, and then tighten the tilt lock lever.
2. Set the tilt friction knob to [3], and the pan friction knob to [2].



- Attach the counterweight respectively, just in front of the right and left arm grips of the operation arms on the camera platform.

- Fine-tune the attaching positions if necessary.

Now, the assembly of the Measurement Stand Set VI-B38 is completed. Operations to be performed before installing and using VIVID 9i are as follows.



4. Mounting or removing VIVID 9i

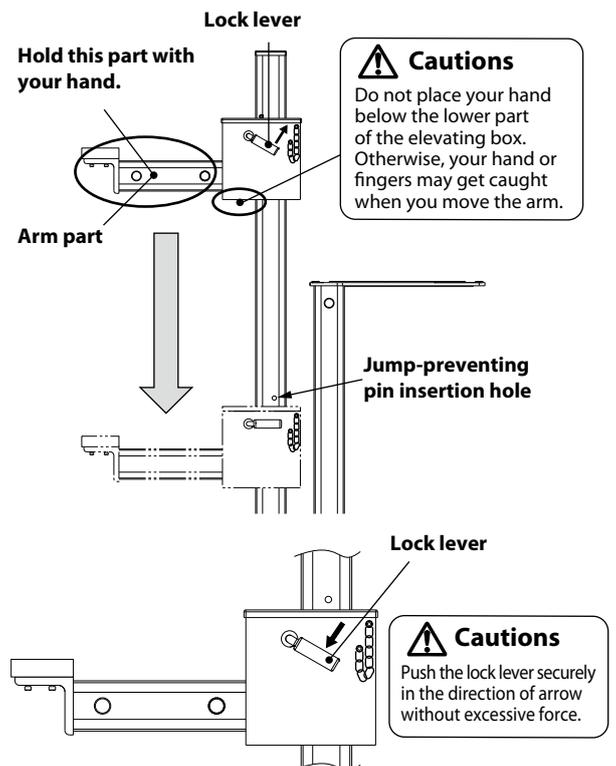
(1) Push down the elevating box to the jump-preventing position.

- Lift the lock lever in the direction of the arrow. In this state, a force of about 15 to 20 kg is applied upward. While holding the arm securely with your hand from above, push down the elevating part to the position of the jump-preventing pin hole. Unless you hold the arm securely, the arm may suddenly jump up, which may result in catching your fingers between the parts or other injury.

- After changing the height of the elevating box, return the lock lever to the original position.

Although the lever returns to the original position automatically, tighten the lever slightly in the lock direction in order to ensure that the lock is secure. Until the jump-preventing pin is inserted into the support, keep holding the arm securely.

- Insert the jump-preventing pin into the hole of the support. You should insert the pin until it penetrates through the support to the other side.

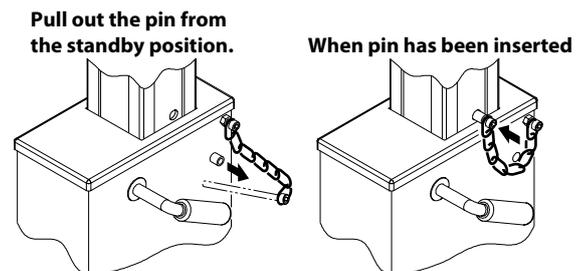


(2) Mounting VIVID 9i onto the camera platform

- Before mounting VIVID 9i onto the camera platform, attach the tripod attachment to the bottom of the VIVID 9i, and attach the slide plate onto the tripod attachment.

For details, see the section of "Mounting on a tripod" in the VIVID 9i instruction manual.

Tighten the screws and nuts securely to prevent them from loosening.

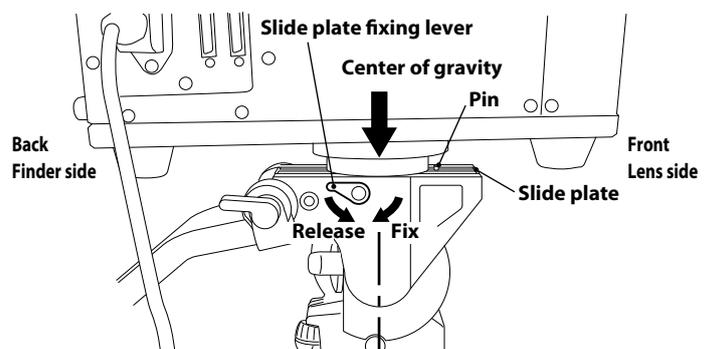


(3) Removing VIVID 9i from the camera platform

- After making the camera platform level, release the slide plate fixing lever. Slide the VIVID 9i together with the slide plate and remove the main body as a set.

Note

- When mounting or removing VIVID 9i, make sure to make the camera platform level.
- Insert the slide plate from the front of the camera platform, and secure the slide plate at the center of the camera platform. (Set the center of gravity or the center of the tripod attachment to the position directly above the center of the tilt rotation.)



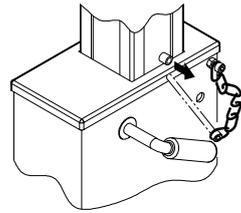
Using the Measuring Stand Set VI-B38 with VIVID 9i

1. Elevating

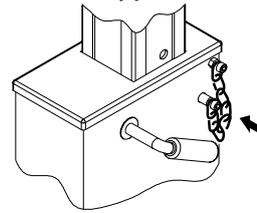
(1) Release the jump-preventing lock.

- Return the jump preventing pin to the standby hole near the back side of the elevating box.
When using the stand set in an ordinary position, store the jump preventing pin in the standby hole.

Pull out the pin that had been inserted.

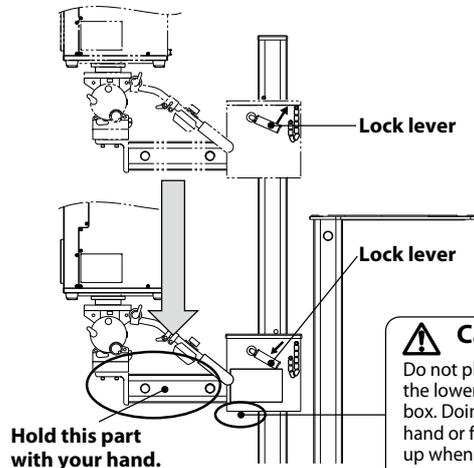


Return the pin to the standby position



(2) Elevating method

- Raise the lock lever in the direction of arrow. In this state, vertical movement becomes possible.
With the VIVID 9i mounted, a force of about 3 to 4 kg is applied downward. Therefore, support the arm part with your hand to prevent it from sliding down. (Do not hold the lower part of the elevating box.)
- After you have adjusted the height of the arm, return the lock lever to the original position. Although the lever returns to the original position automatically, tighten the lever slightly in the lock direction to lock the lever securely.



⚠ Cautions
Do not place your hand below the lower part of the elevating box. Doing so may cause your hand or fingers to get caught up when you move the arm.

Note

- Use a power cord and SCSI cables with the appropriate length. Using a cord or cables which are too short may pull the cable out at when elevating, causing equipment damage such as a broken connector. Using a cord or cables that are too long may cause them to get caught on the surroundings when you move the stand set.

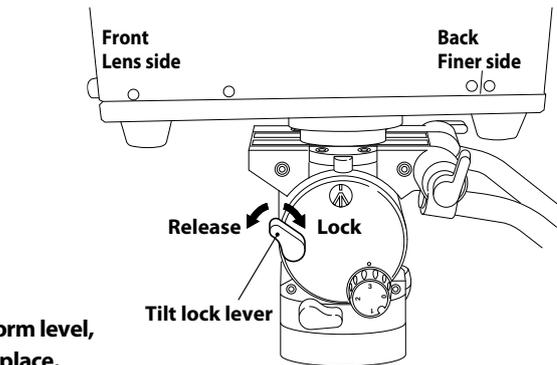
2. Forward tilting posture

(1) Release the tilt lock and operate the VIVID9i

- After releasing the tilt lock, move the operation arms of the camera platform to set the angle of inclination.

(2) Fix the forward tilting posture by applying the tilt lock

- When the angle of inclination has been set, confirm that the VIVID9i is in a stable position. Then, apply the tilt lock and fix the VIVID9i.



Note

- Do not overtighten the tilt lock. Doing so may break the lever.
- To tilt the VIVID 9i over 30 degree forward in use, make the camera platform level, shift the slide plate to the back until it is in the lock position and lock it in place.

⚠ Cautions

- Before using this stand set, confirm that the connected parts of the supports, the legs, etc. are tight. If any part is loosened, retighten the bolts or nuts to lock the connected parts.
- If any parts have problems such as a crack or large bend, do not use the parts. Contact the dealer of this stand set.
- Use this stand set on a level and flat surface. Using this stand set on an uneven or sloped floor may make this stand set unstable.
- When you move the stand set, ensure that the casters of the stand set do not roll over the power cord of the VIVID 9i or SCSI cables, and that the operator does not stumble over such cord or cables.
- On a thick-piled carpet, etc., the casters may not move well. Use the stand set on a hard floor such as tile floor.
- Lock the casters before use. Not doing so may cause accidental movement of the stand set during measurement.
- Do not lean over on or against the supports or the PC table. Doing so may cause falling or breakdown of the stand set.
- The PC table is designed to place a notebook PC on it, and its maximum allowable load is 10 kg.
Do not place an object that weighs more than the maximum allowable load or an object other than a notebook PC on the table. Doing so may cause falling or breakdown of the stand set.
- Do not place your hand near the elevating box of the PC table. Doing so may result in injury if your hand or finger gets caught between the elevating box and the PC table. (Check the caution label on the PC table.)
- When the VIVID 9i is not mounted on the stand set, the elevating box may suddenly jump up, and your fingers may be caught or you may suffer a bruise by the impact of the arm part. When you mount or remove VIVID 9i, or store this stand set, make sure to first insert the jump-preventing pin into the support after lowering the elevating box to the specified position.
- Do not touch the wire part on the back of the support 1. Doing so may cause scratches on your hand or fingers.
- A strong spring is incorporated into support 1. Never dismantle the support 1 or the elevating box. Doing so is dangerous.
- Do not lubricate the elevating box or the surface of the supports of this stand set. Doing so may result in failure of the braking mechanism, causing inappropriate installation position of the elevating box. This stand set has no parts that the customer can lubricate.
- Do not overtighten the tilt lock or pan lock of the camera platform or the lock of the elevating box. Do so may break the lever.
- If any trouble such as malfunctioning of moving parts including the elevating box is found, contact the dealer where you purchased this stand set.

