The Medical Equipment Roll Stand ships in two (2) boxes. Make sure that you have both boxes before beginning this assembly.

**Tools Needed**

- Phillips Head Screw Driver
- 1/4” Hex L-key
- 3/8” wrench or socket (Large RAM* Mount only)
- 5/32” Hex L-key (Tilting Equipment Mounts only)

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<tr>
<th>Reference</th>
<th>Description</th>
<th>Quantity</th>
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<tr>
<td>A</td>
<td>Roll Stand Wheelbase</td>
<td>1</td>
</tr>
<tr>
<td>B</td>
<td>Roll Stand Post Assembly</td>
<td>1</td>
</tr>
<tr>
<td>C</td>
<td>Socket Head Cap Screws (5/16”–18 x 1 inch)</td>
<td>4</td>
</tr>
<tr>
<td>D</td>
<td>Mounting Plate</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Standard Equipment Mount</td>
<td>1</td>
</tr>
<tr>
<td>---</td>
<td>--------------------------</td>
<td>---</td>
</tr>
<tr>
<td>F</td>
<td>Screws M4 × 10mm</td>
<td>4</td>
</tr>
<tr>
<td>G</td>
<td>Small RAM* Mount</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(If Applicable)</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Large RAM* Mount</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(Optional)</td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Extended Equipment Mount</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(Optional)</td>
<td></td>
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**NOTE:** The Articulating Arm (shown in Sections 9 and 10) is only included with purchase of Sherlock 3CG* Tip Confirmation System (TCS).
Equipment Compatibility Specifications

Mounting Plate (D):
- Mounting of Console Style Medical Devices
- 75 mm VESA Compliant Medical Devices
- 100 mm VESA Compliant Medical Devices

Small RAM* Mount (G):
- Mounting of Laptop or Tablet Style Medical Devices
- Clamp Arm Height: 0.75” Max
- Width: 6”
- Length: 8.5” to 11” extended

Large RAM* Mount (H):
- Mounting of Laptop Style Medical Devices
- Clamp Arm Height: 0.5” Min to 1.75” Max
- Width: 10”
- Length: 10” to 16” extended

Depiction of Possible Mounting Options:
Warnings

WARNING: Only mount medical devices with the provided mounting hardware.

![icon]

> 6.8 kg

WARNING: Do NOT mount more than 15 lbs (6.8 kg) on the Equipment Mount.

![icon]

> 3.6 kg

WARNING: Do NOT mount more than 8 lbs (3.6 kg) on the Articulating Equipment Mount.

![icon]

WARNING: Push roll stand according to intended direction of travel, as indicated on the handle.

WARNING: Do NOT attach the Large RAM* Mount to the Articulating Equipment Mount.

WARNING: Do NOT lift the roll stand post by the wire basket.
Using these Assembly Instructions

This document has been designed to approach each task in assembling and setting up your MER individually. Not all Sections will be relevant to each customer.

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To mount a Bard Access Systems, Inc. Tip Location System or Tip Confirmation System, see the respective assembly instructions.
1. Assembling the Roll Stand (Two people recommended)

1.1 To attach the Roll Stand Wheelbase (A) to the Roll Stand Post Assembly (B), place the Wheelbase (A) on the ground resting on its back wheels and the Post Assembly (B) lying on its handle (large basket upward). Slide the Post Assembly (B) into the Wheelbase (A). The adapter block attached to the end of the Post Assembly (B) will fit inside of the rectangular receptacle in the Wheelbase (A).

NOTE: Avoid using the basket to position the post assembly in order to prevent damaging the basket.
1.2 Secure the Wheelbase (A) to the Post Assembly (B) by tightening the four (4) Socket Head Cap Screws (C) in the holes shown below.

![Screws in correct locations.]

1.3 Lift the Assembled Roll Stand onto its casters.
2. Mounting Plate Description

The Medical Equipment Roll Stand has been designed to accommodate several possible pieces of equipment, from laptops to ultrasound systems. The Mounting Plate provides a 75mm VESA pattern and a 100mm VESA pattern compatible with many monitors and other devices. In addition, the Mounting Plate is compatible with a large RAM* Mount that allows laptop style devices to mount to the roll stand.

**Note:** The Mounting Plate (D) can be used to mount equipment on any Equipment Mount (E or I).

**Note:** Screws used in mounting should have a flat head in order to allow the Mounting Plate (D) to slide into the Equipment Mount (E or I) without interference.

2.1. **Mounting Plate Hole Patterns**

![Images of Mounting Plate Hole Patterns](image1)

- **75MM VESA**
- **100MM VESA**
- **Console or other**

2.2. Determine which hole pattern on the Mounting Plate (D) corresponds with the medical device you are mounting. The black stand-offs provide a gap between the Mounting Plate and device and should rest against the medical device (or RAM* Mount) when the Mounting Plate is attached.

![Images of Mounting Plate (E) with Stand-offs and Equipment](image2)

- Front of Mounting Plate (E) (stand-offs positioned against equipment)
- Back of Mounting Plate (E)
Mounting Plate Attachment examples:

Note: Mounting pattern used is determined by the medical device.
3. Attaching Mounting Plate to General Device

**Note:** Screws should have a flat head in order to allow the Mounting Plate (E) to slide into the plunger plate without interference.

3.1 Place the Mounting Plate (D) on the device so that:
   1. The correct hole pattern aligns.
   2. The stand-offs are positioned against the equipment.

A 100mm VESA pattern is used in the example below. The same steps can be followed in the case of other hole patterns.

3.2 Thread an M4 × 10mm screw (F) into each of the four (4) holes. Tighten until the Mounting Plate is secure.

**Note:** Screws used in mounting should have a flat head in order to allow the Mounting Plate (D) to slide into the Equipment Mount (E or I) without interference.
4. Attaching a Device to the Equipment Mount
The method for attaching a device to the Medical Equipment Roll Stand described in this section is applicable to any device that uses an Equipment Mount (E or I) or Articulating Arm, including the RAM* Mount and Large RAM* Mount.

4.1 Retract the Locating Pin located on the Equipment Mount (E or I) or Articulating Arm.

4.2 Slide the device partially into the Equipment Mount (E or I) or Articulating Arm. Release the Locating Pin. Continue to slide the device until the Locating Pin clicks into place. Finger-tighten the white nylon screws.
5. Placing a Device in the Small RAM* Mount

5.1 To place a device into the Small RAM* Mount (G), first extend the Tray Slide. Then Slide the device into the Small RAM* Mount.

5.2 If necessary, adjust the tension of the Retaining Clips to hold the device against the Small RAM* Mount (G). Tension of the Retaining Clips can be adjusted by partially loosening the Retaining Clip screws, sliding the clip to the appropriate tension, then tightening the screws.
6. Placing a Device in the Large RAM* Mount

6.1 To place a device into the Large RAM* Mount (H), first extend the Tray Slide. Then slide the device into the Large RAM* Mount.

6.2 If necessary, adjust the tension of the Retaining Clips to hold the device against the Large RAM* Mount (H). Tension of the Retaining Clips can be adjusted by partially loosening the Retaining Clip screws and nuts, sliding the clip to the appropriate tension, then tightening the screws. The Retaining Clip nut requires a 3/8" wrench or socket.
7. Tilting the Equipment Mount
This section is applicable to the Standard Equipment Mount (E), Extended Equipment Mount (I), and Articulating Arm.

7.1 Loosen the Tensioning Lever by lifting the lever and turning it counter-clockwise (The Tensioning Lever will have to be lifted each time it is rotated). Tilt to the desired position. Tighten the Tensioning Lever by lifting the Lever and turning clockwise.

Proceed to section 8 for laptop and console devices
8. Tilting the Equipment Mount for Laptop and Console Devices

8.1 To orient the Equipment Mount (E or I) horizontally, remove the Adjusting Arm entirely by turning it counter-clockwise and tilt the Equipment Mount into desired position. The position of the Equipment Mount can be set by tightening the two Securing Screws with a 5/32" hex key.

8.2 Attach devices and mounts to the Equipment Mount as described in section 4.
9. Cable Routing

9.1 Channel covers have been scored in several locations to allow cables to pass behind them. Notches can be cut out with a blade.

9.2 Cables can be routed on the column by removing the channel covers, cutting notches as necessary and running cables behind them.

9.3 Cable routing channels are located on the bottom of the optional Articulating Arm.
10. Collapsing the System for Transport

10.1 To safely transport the system, collapse the Articulating Arm toward the column. One example is shown below.