



AVR and MVR
Video Metrology Series Systems™
Unpacking Read Me First Instructions

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1. Unpacking Instructions

WARNING

Do not attempt to lift the system on your own. Multiple people are required to lift and move the system.

Caution

Do not attempt to lift the system from the knobs. Lifting the system from the knobs will result in damage to the system.

Lifting Requirements

- AVR300 and MVR300 systems weigh 230 pounds (104 kilograms). Four people are recommended to lift the systems.
- AVR200 and MVR200 systems weigh 145 pounds (65 kilograms). Two to four people are recommended to lift the systems.

Procedure

Do not attempt to lift the system from the knobs. To lift the system, refer to the following figures and perform the following steps:

1. Locate the lift bar at the front of the system and the two handles at the rear of the system.
2. Use the bar and handles to lift the system from the shipping container.

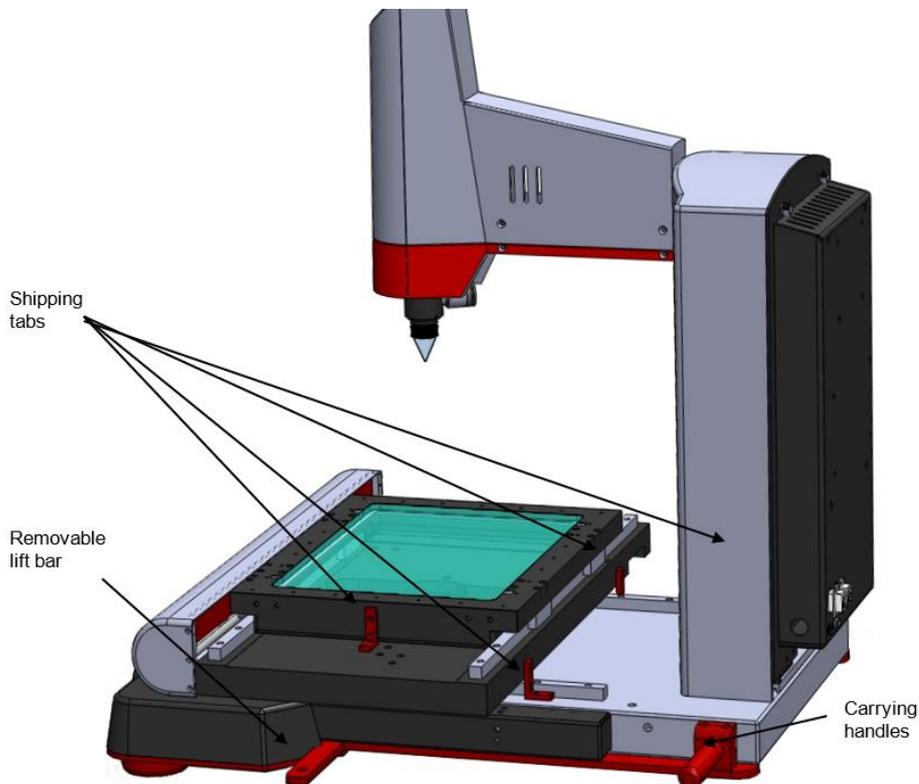


Figure 1. Lift Bar and Carrying Handles

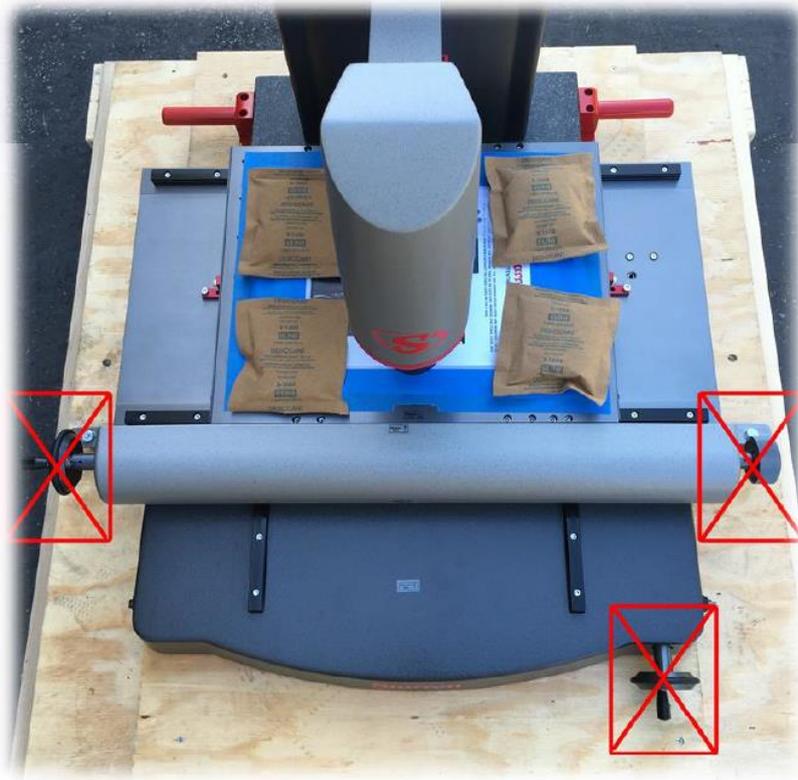


Figure 2. System Knobs—Do Not Lift Points



Figure 3. Lifting Bar



Figure 4. Rear Lifting Handle

2. Removing the Stage Locks

AVR and MVR systems are shipped with stage locks to prevent movement during shipment. Refer to Figure 1 for the location of the stage locks. The following information describes how to remove the stage locks.

To remove the stage locks, refer to the following figures and perform the following steps:

1. Locate the two red tabs that secure the stage (X-axis). Refer to the following figure.
2. Using a metric hex wrench, remove the two M5 socket head cap screws that secure each tab.
3. Replace the head cap screws with the black screws provided. Refer to the following figure.

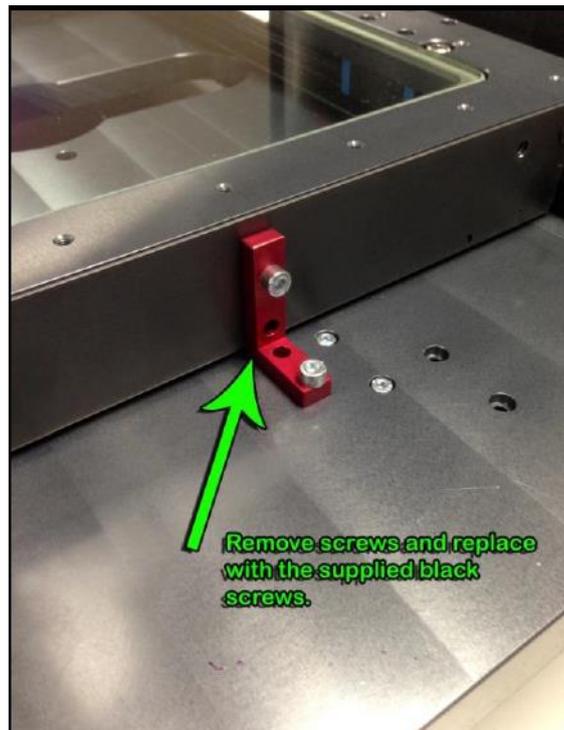


Figure 5. Removing X-Axis Stage Locks



Figure 6. Replacement Screws for X-Axis Stage Locks

4. Locate the two red tabs at the rear of the stage (Y-axis). Refer to the following figure.
5. Using a metric hex wrench, remove the two M5 socket head cap screws that secure each tab.

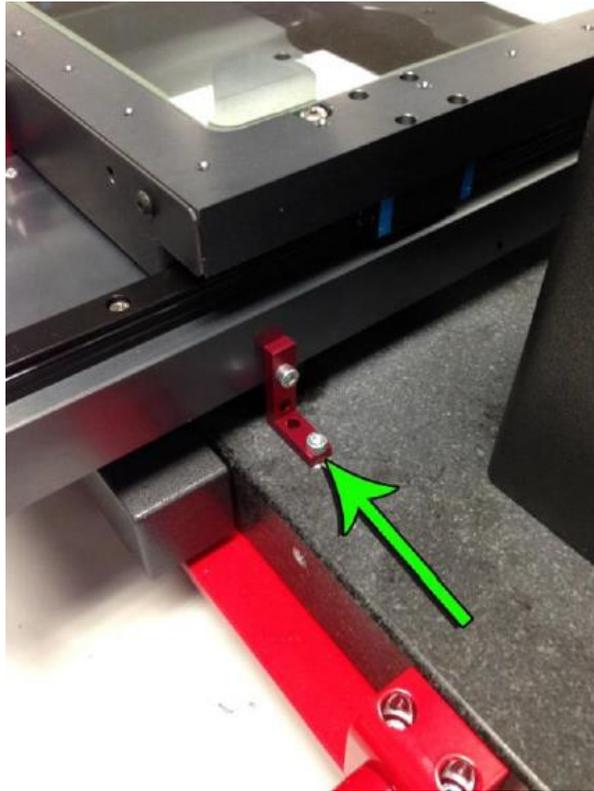


Figure 7. Removing Rear (Y-Axis) Stage Locks

6. From the rear of the system, remove the two knurled hand-screws from the hinged door to access the internal rear panel of the system.
7. Locate the two red tabs by referring to the following figure.
8. Using a metric hex wrench, remove the two M5 socket head cap screws that secure each tab. Refer to the following figure.

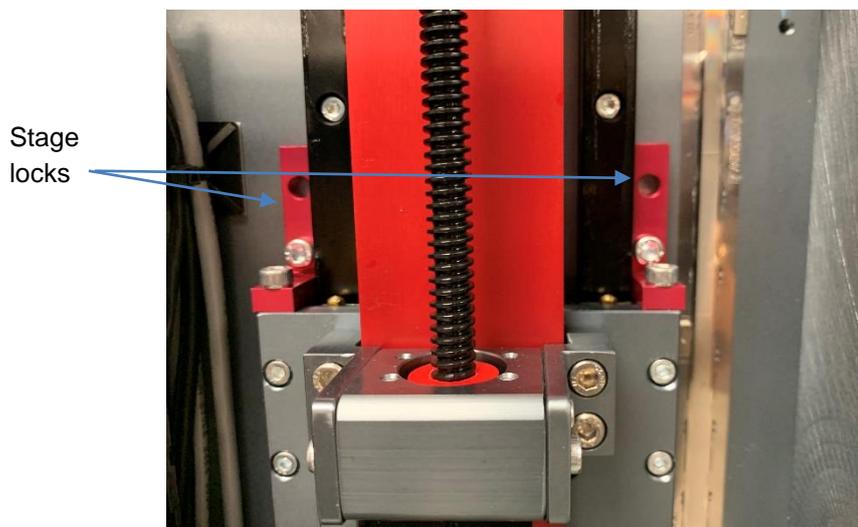


Figure 8. Rear Panel Stage Locks