

STEM Platform GEN-II (MHJF and MH5F Robots)

READ ME

Upon receipt of the product and prior to initial installation and operation, read these instructions thoroughly, and retain for future reference.

Welcome...

...to the Yaskawa Motoman family of robotic products. We at YASKAWA take pride in the work we do and would like to take this opportunity to thank you for your business. This READ ME document has been designed to help you install your new robotic system. Please review all the information before installing or operating your system.

Items Included

Please make sure the following items are included with your new Yaskawa Motoman STEM Platform GEN-II shipment.

- STEM Platform Gen II
- STEM Platform Gen-II **READ ME**
- Teaching Pointers
- MotoSim SW Package and USB Dongles
- Technical Documentation



Technical Documentation

Please review the following information before installing or operating your system

- STEM Platform GEN-II Manual
- FS100 Inform Language Manual
- FS100 Operators Manual
- FS100 Instructions Manual
- FS100 Maintenance Manual
- MH5F/MH5S Manipulator Manual **or** MHJ Manipulator Manual
- MH5(L)S/F, -MH5(L)S II Maintenance Manual (ONLY)
- FS100 Option Instructions for Concurrent I/O Manual
- FS100 Brake Release Manual
- Third Party Manuals



WARNING

- When purchased as a robot package insure the safe guards in place follow ANSI RIA 15.06 2012 standards and all applicable local and national codes.
 - The means and degree of safeguarding, including any redundancies, shall correspond directly to the type and level of hazard presented by the robot system and robot application. Safeguarding may include but not limited to safeguarding devices, barriers, interlock barriers, perimeter guarding, awareness barriers, and awareness signals.

Failure to observe this WARNING may result in a potentially hazardous situation that may result in death or serious injury to personnel.

Customer Support Information

If you need assistance, please contact Yaskawa Motoman Customer Support at the 24-hour telephone number (937) 847-3200.

For **routine** technical inquiries, you can contact Yaskawa Motoman Customer Support at techsupport@motoman.com.

When using e-mail to contact Yaskawa Motoman Customer Support, please provide a detailed description of your issue, along with complete contact information. Please allow approximately 24 to 36 hours for a response to your inquiry.



Please use e-mail for **routine** inquiries only. If you have an urgent or emergency need for service, replacement parts, or information, you must contact Yaskawa Motoman Customer Support at (937) 847-3200.

Please have the following information ready before calling::

System	STEM Platform GEN-II
Robots	MHJF/MH5F
Primary Application	Educational
Controller	FS100
Software Version	Access this information on the Programming Pendant's LCD display screen by selecting {MAIN MENU} - {SYSTEM INFO} - {VERSION}
Robot Serial Number	Located on the robot data plate
Robot Sales Order Number	Located on the robot data plate

Unpacking

Required Tools

The following items are required to unpack and assemble the Yaskawa Motoman STEM Platform GEN-II:

- Screw Driver/Power Drill
- Phillip Bits
- Square Bits
- Utility Knife

Process

NOTE

When the Yaskawa Motoman STEM Platform GEN-II arrives it should look similar to the picture shown.

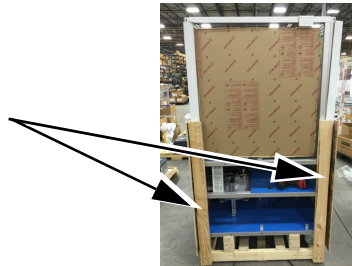


1. Remove the plastic wrap and take off the side panel of the crate.



2. Remove the 2X4's.

2X4's



3. Remove the STEM cart from the crate using a forklift. The weight of the STEM cart is:
 - MHJF - 181 kgf (400 lb)
 - MH5F - 193 kfg (425 lb)

4. Release the locks on the STEM cart wheels and roll the STEM cart to the desired location.



CAUTION

When moving the STEM cart use at least two people.

Using less than two people can cause injury.

5. Reassemble the crate for future use.
6. Refer to the included STEM Platform GEN-II Manual for final assembly and power up procedures.

Specifications are subject to change without notice for ongoing product modifications and improvements.