

Fundamentals of Robotics with the MHJF

COURSE MATERIALS

	Quantity
Hardware	Motoman MHJF Robotic Arm
	1
	FS100 Controller with programming pendant
	1
	Pneumatic gripper with I/O box
	1
	Workbench and adapter plate
Software	1
	Blocks (from I/O experiment table package)
	3
	Cylinders (from I/O experiment table package)
	3
Additional Materials	Palletizing rack with pegs
	1
Additional Materials	RoboCell V10
	1
Additional Materials	External source of air pressure (e.g. a portable compressor)
	1
Additional Materials	Computer
	1

The MHJF requires a table for support and an area for performing exercises. The workbench is designed for both of these purposes. In the absence of the workbench, separate tables can be used, one for supporting the robotic arm, and one for performing exercises. The support table must be able to hold the 15kg arm. The exercise table should have dimensions of at least 0.5m x 0.5m (20" x 20"), and it should have the same approximate height as the support table.