

Robotics and Material Handling II

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	1
	I/O experiment table package (including blocks and cylinders)	1
	Gravity feeder	1
	Palletizing rack with pegs	1
	Conveyor	1
	Rotary table	1
	Optical sensor	2
	Linear slidebase	1
	Pneumatic Feeder	1
Software	RoboCell V10	
Additional Materials	External source of air pressure (e.g. a portable compressor)*	
	Computer	

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 surface dimensions of at least 0.5m x 0.5m (20" x 20"), and it should be of the same approximate height as the support table.

*Hardware for the Robotics and Material Handling course is optional (but recommended). The entire course can be completed in a virtual manner using the RoboCell software.

Intelitek software and documentation is available at <http://intelitekdownloads.com>.