

Fundamentals of Robotics

COURSE MATERIALS

		Quantity
Hardware	YRC-Series controller with programming pendant	1
	YRC-Series-compatible robotic arm (e.g. GP8)	1
	Pneumatic gripper with I/O box	1
	Workbench and adapter plate	1
	Blocks (from I/O experiment table package)	3
	Cylinders (from I/O experiment table package)	3
	Palletizing rack with pegs	1
Software	RoboCell V10	
	MotosimEG-VRC (optional)	
Additional Materials	External source of air pressure (e.g. a portable compressor)	
	Computer	

Your robot requires a table for support and an area for performing exercises. *Intelitek Slotted Workbenches* and *Intelitek Robotic Arm Training Carts* are designed for both of these purposes.

If you have not purchased either of these products, a regular worktable can be used, provided that it can support your robotic arm. After securely mounting the robotic arm, the worktable should still contain an unused area of at least 0.5m x 0.5m (20" x 20") in front of the robot for the purpose of providing a space to perform lab exercises. If the worktable supporting the robot is too small for this, an additional exercise table can be placed next to the worktable.