

IronBOT[®] Carry Function Quick Reference ACR PN: 50-004-0014-A

MAX bundle weight: 5,000 LBS			MAX bundle diameter: 12 inches
Hoist(s)			*load toward the center when possible
Amount used	Extension	Weight capacity	Notes
1	Any	1,000 LBS	
2	Any	2,500 LBS	
3	Any	3,500 LBS	
4	Any	5,000 LBS	
Hooks(s)			*load toward the center when possible
Amount used	Extension	Weight capacity	Notes
1	Any	1,000 LBS	Max per each hook - total max is 5,000 LBS

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Action	Screen / Mode	Inputs	Notes
1. Switch to Carry Control Mode			
Carry Control Mode	Standard	S2	Immediately changes into Carry Mode
2. Rotate the Boom to the orientation of the item to be carried			
Boom Rotation Presets	Carry	X2/Y2	0°=Y2+, 90°=X2-, -90°=X2+, ±180°=Y2- Hit Enter to activate. Manual jog (Z2) to override
3. Expand or retract the Boom to the size of the item to be carried			
Boom Ext/Retract	Carry	Sub1	(+) Extend, (-) Retract
4. Open the Hooks **NOTE: Do not move the robot with the hooks open			
Hooks Open	Carry	Aux2	Check for ground clearance, stow any catch points
5. Lower the Hoists			
Hoists Down	Carry	Aux4	
6. Load the Bundle into the Hoists			
7. Raise the Hoists			
Hoists Up	Carry	Aux3	Raise up to provide clearance to close hooks
8. Close the Hooks **NOTE: Do not move the robot with the hooks open			
Hooks close	Carry	Aux1	
9. Move the Gantry and Tram			
Gantry	Carry	Y1+/Y1-	Forward(Y1+)/Reverse(Y1-)
Tram	Carry	X1+/X1-	Right(X1+)/Left(X1-)