

Load & Go DC/RC Series Pre-Installation Checklist

The following list is designed to prepare you for a successful installation and startup.

Being prepared prior to the arrival of the Load & Go installer will help the installation take as few as 4 hours. Minimizing installation time allows for several days of running time, testing, and end-user training. If the pre-installation steps are not completed upon arrival of the AWR service tech, an additional \$4,000 installation charge will occur and the install will be rescheduled.

Machine Tool Related:

Description	Complete
Robot interface Ethernet Internet Protocol option operational (Anybus X EIP)* applies to Okuma	
Auto door operational	
Spindle orientation - electric (usually standard)	
Chuck air blow operational, and hard plumbed in the CNC	
Machine Home Position setup (with turret in corner of workspace)	

Cutting Process Related:

Description	Complete
At least one (preferably several) cutting program(s) written and proven (machine goes to Home at end of program)	
Workholding has a hard stop for robot to load against	
Workholding has approximately .030" minimum load clearance and appropriate .030" plus a bullet-nose lead-in radius	
Tool life management is setup and operational for all cutting tools	
Cutting tool life is predictable and broken and chipped tools either do not happen or happen rarely	
Chips from cutting process do not build up on workholding or cutting tools	
Coolant wash and blow off M-Codes are programmed into the cutting process to ensure part is free of chips at completion of cycle	
Chuck air blow-off is programmed into the cutting process to ensure part is relatively free of coolant at the completion of the cycle	
Verify machine is actually cutting good parts and ready to run full auto with robot	
The ratio of the workpiece length in the chuck to total workpiece length should be at least 1:3	

Other:

Description	Complete
Dedicated power available for Load & Go, 240VAC / 20A / 60HZ / 3PH	
80~100 PSI air pressure at 1 cfm ³	
Ethernet drop (CAT 5/6) to Load & Go for Ewon remote support. (Guest network is acceptable)	
Ethernet drop tested with Ewon Connection Checker (AWR Provided)	
Proper anchoring conditions (concrete > 6" deep)	
Communicate any customer preferences on Load & Go placement. Verify if a filler panel is needed.	
Customer has parts available to run and test during installation	