Robot Pre-Startup Checklist

Company: ___________________________  Location: ___________________________
Robot No: ___________________________  Contact: ___________________________

In order to ensure the most efficient robot installation possible, please complete the items on this checklist. Once you have completed these items, send a signed copy back to Wittmann Battenfeld so that we can schedule a Service Engineer to commission the robot. Uncompleted items will result in delays which will increase the cost of the installation. Please call 860-496-9603 ext. 115 to reach our Service Department. They will be able to answer any technical questions that you may have regarding this checklist.

☐ Unpack the robot and check for the following before discarding packing material. In addition to the robot, you should typically have the following items. (See packing list for specific contents of your shipment.)
  o Robot installation, operation, and maintenance CD manual. (create back-up)
  o Robot Mounting Adapter with hardware.
  o Layout drawing showing robot, molding machine, guarded area & associated equipment.
  o Safety Package assembly.
  o Robot Control Pendant (Teachbox).
  o Mounting Bracket for Pendant.
  o Software Media. System Software & Teach Program (2x USB drives).
  o End-of-Arm Tooling (optional)

☐ Read and understand Section 1 “Safety” and Section 2 “Installation” in the robot manual before proceeding with this pre-startup checklist.

☐ Mount the robot’s mounting adapter to the fixed platen following the installation instructions in the robot manual. Use all specified mounting bolts. Make sure all bolts are tightened to the requirements specified on the mounting adapter engineering drawing.

☐ Mount the robot to the mounting adapter using the hardware provided following the installation instructions in the robot manual. Make sure that all bolts are tightened to the requirements specified on the mounting adapter engineering drawing.

☐ Check that the IMM interface cable can reach the molding machine connection point, and the pendant cable can reach both the IMM operator station and the robot work cell placing area.

☐ Install the molding machine interface according to either the Euromap or SPI version 2.0 (or higher) interface standard. Make sure that any required program changes have also been installed in the IMM and matches the robots interface type (E12, E67, Integrated).
Route the interface cable (X1) from the robot control cabinet to the molding machine interface connector in a manner to keep it protected from damage from purging, mold changes, machine movements, etc. **DO NOT PLUG THE ROBOT (X1) INTO THE MOLDING MACHINE UNTIL THE INTERFACE IS CHECKED BY A WITTMANN BATTENFELD SERVICE ENGINEER.** A "dummy plug" should be plugged into the IMM to allow the machine to function until the robot is connected.

Provide a separate disconnectable power source for the robot. Reference the robot ID tag.

Voltage: _________ VAC / ____ Phase / 60 Hz.
Max. current: _________ Amps

Plumb a 3/8" (or larger) air-line to the air filter/regulator unit. Install a shut-off/dump valve accessible from the floor with lock-out features to satisfy OSHA Lock Out/Tag Out requirements. At least 90 PSI (6 Bar) of air is required, without significant moisture or contamination.

**Install guarding** around the robot work area in accordance with OSHA and accepted safety standards: ANSI/SPI B151.27 or ANSI/RIA 15.06. Guarding must be provided to envelope the entire possible robot work space, not just the intended movements.

Mount the Wittmann Safety Package assembly to interlock the door or access gate to the guarded area. **WITTMAN BATTENFELD WILL NOT START UP A ROBOT UNTIL PROPER GUARDING AND INTERLOCKING IS INSTALLED.**

Plan to have the appropriate mold in the molding machine running good parts when the Wittmann Battenfeld Service Engineer arrives.

**A purchase order number is required for ALL startups**, including pre-paid startups, prior to the service call. **A service engineer cannot be sent without a purchase order.**

Purchase order number to be used for Labor, Supplies and Expenses:___________________

Installation dates requested:

- First Choice:_____________________________________________
- Second Choice:___________________________________________

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I have completed the above checked items.

Name (print): ________________________________ Phone No: ________________________

Signature: ________________________________  Date: ______________________

Please send this completed form to the Wittmann Battenfeld Robot Service department.

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