



## **ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE MOTOMAN UP 130/165 ROBOT**

PRIOR TO INSTALLING THE ROBOSUIT™, CLEAN THE ROBOT SURFACE IF THE ROBOT HAS BEEN IN OPERATION WITHOUT ANY EFFECTIVE PROTECTION. DISCONNECT ANYTHING THAT WILL INTERFERE WITH INSTALLATION.

1. MOVE THE ARM TO ITS HOME POSITION.
2. OPEN ALL ZIPPERS AND VELCRO SEAMS.
3. EACH SUIT IS MADE UP OF THREE (3) PIECES PLUS AN OPTIONAL SKIRT FOR THE BASE.
4. (OPTIONAL: INSTALL THE SKIRT AROUND THE BASE AXIS AND SECURE THE VELCRO SEAM.)
5. INSTALL THE SHOULDER PIECE (WITH THE CABLE COVER IN PLACE). ORIENT THE SHOULDER TOWARD THE MATCHING VELCRO ON THE LOWER ARM PIECE). CLOSE THE ZIPPER. CONNECTIONS TO THE ROBOT CAN BE MADE THROUGH THE VELCRO ATTACHED PANELS. CAREFULLY CUT "CROSSHAIR" INCISIONS THROUGH (REQUIRED) PANELS.
6. INSTALL THE LOWER ARM PIECE. THIS IS THE LARGEST PIECE, AND FEATURES A NYLON BELT. JOINT 3 HAS A SECTION OF VELCRO TAPE INSIDE. SEPARATE THE SECTIONS OF VELCRO FROM ONE ANOTHER (REMOVE THE PIECE OF VELCRO WITH THE ADHESIVE BACKING). USING RUBBING ALCOHOL (OR ANOTHER SUITABLE SOLVENT), CLEAN THE TOP/CENTER-MOST PORTION OF THE J3 CASTING. REMOVE ADHESIVE BACKING AND ATTACH THE LOOSE SECTION OF VELCRO TAPE TO THE TOP & CENTER OF THE LOWER ARM (J3) CASTING. ORIENT THE LOWER ARM SO THAT THE MATING PIECES OF VELCRO (ONE ON THE ROBOT, WITH THE ONE SEWN INTO THE SUIT) ARE ALIGNED. JOG J3 FORWARD TO FACILITATE INSTALLATION. MAKE SURE THE JOINT 3 COLLAR (CUFF) OVERLAPS THE SHOULDER PIECE. CLOSE THE ZIPPERS AND VELCRO SEAMS. TIGHTEN THE NYLON BECKLE BELT AROUND THE BASE. ENSURE NO EXCESS BELT MATERIAL HANGS FROM THE SUIT (CUT AS NEEDED).
7. INSTALL THE UPPER ARM/WRIST PIECE. YOU MAY ORIENT THE UPPER ARM SO THAT THE ZIPPER FACES UP OR DOWN. ALIGN AND CLOSE VELCRO SEAMS. SECURE THE WRIST CUFF AT THE TOOL FLANGE (J6) WITH SUPPLIED CLAMP.
8. SLOWLY MOVE THE ROBOT ARM TO CHECK FOR FIT AND OBSTRUCTIONS.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.