



## ROBOSUIT™ INSTALLATION INSTRUCTIONS FOR THE FANUC S400 ROBOT

PRIOR TO INSTALLING THE ROBOSUIT™, CLEAN THE ROBOT SURFACE, ESPECIALLY IF THE ROBOT HAS BEEN IN OPERATION WITHOUT ANY EFFECTIVE PROTECTION.

1. DISCONNECT ANYTHING THAT WILL INTERFERE WITH INSTALLATION. NORMALLY, END-OF-ARM TOOLING DOES NOT INTERFERE.
2. OPEN ALL SUIT ZIPPERS, VELCRO SEAMS AND/OR SNAPS.
3. INSTALL THE LOWER ARM PIECE FIRST. DRAPE IT OVER THE TOP OF THE ROBOT, AND ONTO THE LOWER-ARM MOTORS POCKETS. LOOP THE BELTS INSIDE THE MOTOR COVERS, AND TIGHTEN TO PREVENT SLIP. ENSURE THE BELLOWS (ACCORDIAN-STYLE FOLDS IN THE SUIT) ARE PROPERLY ORIENTED ALONG THE ROBOT'S SIDE. ZIPPER THE SUIT CLOSED. LOOP THE BELT AROUND THE BOTTOM. INSTALL THE GLASS RODS ON EACH SIDE OF THE SUIT PIECE BY GOING THROUGH THE ROD LOOP AND INTO THE ROD-END-POCKETS LOCATED AT THE BOTTOM BELLOW-FOLD.
4. INSTALL THE UPPER ARM PIECE NEXT. POSITION THE TOOL FLANGE PERPENDICULAR TO THE UPPER-ARM. ORIENT THE UPPER ARM SO THAT THE ZIPPER FACES DOWN. CLOSE THE ZIPPER AND SNAP THE BUTTON. CLAMP THE UPPER ARM PIECE BEHIND THE TOOL FLANGE. MAKE CERTAIN THE CLAMP DOESN'T INTERFERE WITH TOOL-FLANGE ROTATION. **\*\*NOTE: THE UPPER ARM PIECE OVERLAYS THE LOWER ARM PIECE. TAKE CARE **NOT** TO CLAMP THE TWO SUIT PIECES TOGETHER.**
5. RE-ATTACH TOOLING AND ELECTRIC/PNEUMATIC LINES. VELCRO PANELS HAVE BEEN INCORPORATED TO ACCESS THE ROBOT WHERE ATTACHMENTS MUST BE MADE. CAREFULLY CUT "CROSS-HAIRS" INTO EACH COVER (AS NEEDED) FOR BOLTS OR CONNECTORS.
6. REMOVE ALL TOOLS, LADDERS OR OBJECTS FROM THE CELL. SLOWLY MOVE THE ROBOT ONE AXIS AT A TIME BEGINNING WITH THE TOOL FLANGE (AXIS 6) AND ENDING AT THE BASE (AXIS 1). CHECK FOR ANY FIT PROBLEMS.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT ROBOWORLD.