ACT-DYM-1801 is part of a series of dispensing cells incorporate fully articulating motion of 6-axes robotic arms for masking and dispensing on most complex surfaces such as medical implants or airfoils. Precise motion programs are developed offline and loaded to the cell controller ready to run. Process functions include bead and spray dispensing, UV curing, part and tool handling. Intuitive touch screen HMI allows easy machine controls, maintenance, and troubleshooting.

**Specifications:**
- 6-axes articulated robotic arm
- Vision scanner, 2D camera
- Bead and spray dispensing
- UV cure station
- Touch screen HMI
- Part load/unload drawer
- Tool placement rack
- UV station and blocking enclosure
- Leveling roller casters

**Options:**
- Automatic gripper change
- In-process thickness inspection

Part load systems such as:
- Indexer
- Conveyor
- Single nests
**SEQUENCE**
- Pick up the gripper
- Pick up the part
- Vision scan for part position calibration
- bead dispensing and UV cure (width adjustable)
- Helical spray dispensing and UV cure
- Rotate part 180 degree
- Repeat scan, bead and spray dispensing step
- Drop the finished part and pick a new part

**STATION AND FEATURES**

- 6-axes articulated robotic arm
- Vision scanner
- bead and spray dispensing
- UV cure station
- Touch screen HMI
- Part load/unload drawer
- Tool placement rack
- UV blocking enclosure
- Leveling roller casters

**PROGRAMMING**
- Off-line tool path programming based on part geometry
- Programming can be edited without affecting production
- Full simulation with collision detection

**Overall Dimension (Approximate):** 1.36m x 1.30m x 1.93m