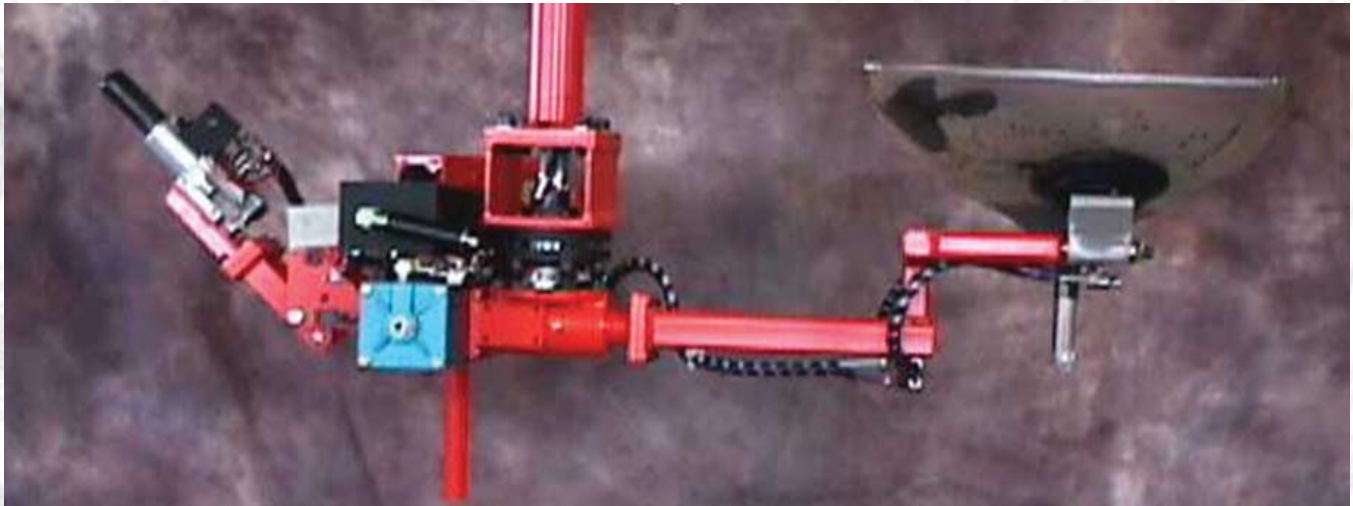




Product
Handled: **Picture Tube
Funnel**



Problem: The part is quite fragile. The neck of the tube cannot support the 45 lbs. weight of the funnel, so it cannot be used as the grip point. There is a large variation in sizes and angles of the funnels that requires the end effector to quickly conform to all sizes. Restricted overhead clearance.



**World
Manipulator®**

APPLICATION: Pick up a funnel from staging fixture in the neck down position. The part is inverted and transferred into the neck glaze station fixture. After glazing, the part is rotated 180° to its original position and transferred into one of two different neck annealing machine fixtures. Lastly, the part is inverted to the neck down position and placed into an internal transfer dunnage.

SOLUTION: A World Manipulator® (WM-100) with vertical travel controls which allow the operator to be positioned directly alongside of the manipulator's down arm. Offset end effector frame provides clearance when setting the part in the dunnage and fixtures. Bellows style vacuum cups conform to the various funnel angles.

CONTACT POSITECH FOR MORE INFORMATION