

Product Profile

Robotic Gripper:



An Electric End Effector for an Aseptic Clean-Room Robot.

The specification for the dispensing of fetal calf serum debars the use of pneumatic actuators within the laminar flow canopy. This calls for the design of grippers powered by electricity as an alternative. In the place of an air cylinder an electronically comutated brushless DC motor with positional feed back drives a scroll which opens and closes the gripper jaws.

A current/torque detecting function within the motor controller allows for adjusting the force exerted by the jaws and thus the sensitivity of the gripper.

An infra red sensor is mounted below the jaws to detect the presence of the bottle when positioning the gripper for pick up and to signal clearance of the jaws when depositing the bottle.

FOR FURTHER INFORMATION. PLEASE CONTACT



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