

### Examples of Industries Served

- Centrifuge Manufacturers
- Pellet Mill Manufacturers
- Heavy Machine Manufacturers
- Irrigation Equipment Manufacturers
- Tool and Die Manufacturers
- Food Service Companies
- Medical Equipment Manufacturers
- Medical Researchers



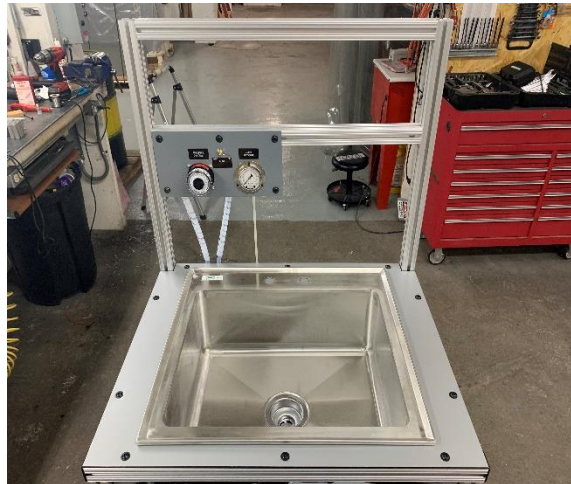
# Case Study

### Opportunity:

Customer was looking to improve the testing method for pressure testing spray bottle pick up tubes using water.

### Solution:

CMDI provided an 80/20 frame designed in house, a diaphragm pump, and all pneumatic controls.



1. Customer places their test unit in the sink. Using the pneumatic controls, the operator can turn the pump on/off, adjust pressure and verify that they are getting the correct pressure.

2. The water used is in a closed loop system to reduce the amount of water usage. The pump draws water from the tank and the sink drains back into the tank.

3. CMD added a dampener to the diaphragm pump to reduce the chugging that naturally occurs with this style of pump for a smooth consistent water flow.



Overall view of the test station

Close up of the controls

