



Controlled Motion Dynamics Inc.

PO Box 3832, Omaha, NE 68103

345 South 26th Street, Omaha, NE 68131

(402) 346-6480 (402) 422-0430

FAX: (402) 345-1567 FAX: (413) 638-3495

Toll-Free: 800-228-9750

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

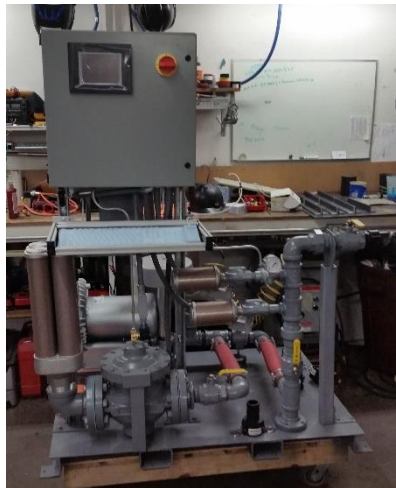
Opportunity:

Customer needed a safe way to pressurize large tanks to check welds.

Solution:

CMDI provided a GAST regenerative blower with custom programming to provide a system that will pressurize the tanks from 0-50 in/H2O.

- Controls provide the customer with (2) types of tests.
 1. Visual-The blower will pressurize the tank to an operator set point and run to maintain that pressure while the welds are inspected for leaks.
 2. Degradation-The blower will pressurize the tank to an operator set point and will shutdown and lock the pressure in the tank. The controls will monitor the pressure locked in the tank for an operator set time. If the pressure drops too far before the time expires it will indicate that there is a leak in the tank.



Completed machine



CMD also provided the customer with data logging features. With the information that is logged the customer can verify that each tank passed the required tests.

As a systems integrator, Controlled Motions are not limited in creating solutions because they utilize electric, hydraulic or pneumatic technology, based on providing the proper solution for the customer's project and budget.



The Stand was developed by CMD to reach the tank openings

Control Panel internals

