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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 for a way to test hydraulic components on combines.

Solution:

CMDI provided a custom hydraulic power unit with controls to integrate with the combine's 12vdc power system.

- Controls provide the customer with an oil temperature set point. If the temp is too low, the power unit will build up heat in the oil before performing normal operation. If it gets too high there is a cooling loop pump that will lower the oil temp back within working range.
- When ready for operation the controls will extend a cylinder, hold for 1 minute, retract, hold for 30 seconds, then extend and hold for 30 seconds.
- Also provided were quick connection hydraulic fittings to easily connect to the combine's system and a vacuum/reclaim pump to evacuate the hoses and combine system when testing has been completed.



Completed machine

Control Panel internals

