P.E.T.
A HEDRICK BRAND

DISPLAY PACK
PROCESS COOLING SYSTEM UPGRADES

Faced with unstable process cooling and stalled facility growth, Display Pack turned to PET. The solution: **a scalable, 1,000-ton air-cooled chiller system** and **custom pumping infrastructure** engineered for **long term expansion.**

PET PROVIDED:

- On-Site Evaluation
- Consultation
- Engineering Design
- Fabrication



NEW CHILLER INSTALL

The **PET by Hedrick Industrial Division** was created via a merger between Hedrick Associates and Process Environment Technologies (PET). PET's background includes plumbing, mechanical, and industrial engineering. **Our team experience includes over 100 years** in the mechanical and industrial engineering, contracting and fabrication fields.



EXISTING HOT/COLD WELL TANKS & PROCESS PUMP SKID



NEW HOT/COLD WELL & PROCESS PUMP SKID

BACKGROUND

Display Pack is a manufacturer of plastic packaging products based in Cedar Springs, Michigan, producing items such as single-use food containers through a plastic extrusion and thermoforming process. Their operation relies on electrically heated extrusion equipment, which generates significant heat and requires reliable chilled water cooling to maintain production performance.

As production demands increased, the facility began experiencing limitations with its existing cooling infrastructure. The plant was operating with a chiller system that had been sized to meet immediate needs when originally installed. Over time, the system presented challenges with chilled water temperature stability, previous manufacturer support, and long-term scalability. At the same time, Display Pack was preparing for future expansion and needed a cooling solution that could grow alongside the business.

PET evaluated both current operational requirements and future needs. The solution was a long term strategy centered around a 1,000 ton air cooled chilled water system with a heat exchanger skid, and new hot and cold wells. The design allowed new chillers to be added in stages through three 330-ton chillers while integrating the customer's existing 160-ton chiller as a backup. PET's approach minimized production downtime, with installation completed in just one week.

With a scalable cooling infrastructure in place, Display Pack is positioned to continue expanding production capacity while maintaining reliable process cooling for its operational needs.

ARMSTRONG QUANTECH ALFA LAVAL