



Third Man Records - Detroit Presses On!



Location

Detroit, MI

Engineering Team

CLD Associates

Chuck DeAngelis

K F Engineering Inc.

Ken Forgiel

Contractors

Detroit Boiler

Chris Lanzon

Guardian Plumbing

Mike Melaragna & Tony

D'Ascenzo

The RLD Project Team

Chris Lieder

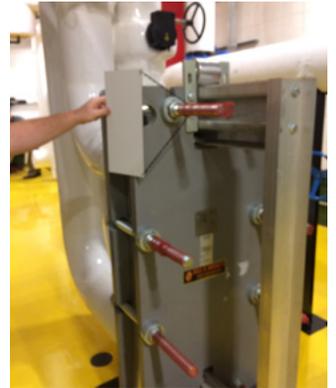
Bill Kritzman

Challenge

Third Man Records is a private label with a vinyl record pressing plant located in Detroit, Michigan. The presses require hot steam to soften the vinyl. Within a few seconds of pressing, the vinyl must be cooled with chilled water. The system had to ensure trouble-free operation, be energy efficient, and allow for future expansion of 50%. In addition, the exterior cooling tower had to be very quiet and have low drift loss because it was next to high-end condominium space windows. The engineer on the project was given limited time for design and the design needed to be adjusted during construction.

Why R. L. Deppmann?

RLD has practical design and equipment experience to combine high pressure steam, cooling water, and variable speed control knowledge into a unified solution. Deppmann's team is equipped to combine engineering solutions and technical field support for the contractors, engineers, and owner. The Deppmann team was able to move quickly and stay within the allocated time and budget constraints.



Solution

Deppmann analyzed the project demands and recommended a variable speed chilled water system coupled with a Bell and Gossett GPX free cooling heat exchanger. B&G pumps were specifically selected to avoid pressure spikes which would cause production issues. We also provided the proper trim to make sure the steam condensate and expansion concerns were addressed in the pressing area. Finally, Deppmann offered a whisper quiet Tower Tech cooling tower.



“Due to the fast pace of the project, R. L. Deppmann along with Guardian Plumbing and Detroit Boiler, provided design assistance of the HVAC, process steam, and the cooling systems for pressing records. Deppmann provided an energy saving free cooling system that allows the Chiller to be offline 70% off the time.”

- Randy Cholewa, Third Man Records

