

LAB TESTING

Hydro-Thermal's lab testing facility in suburban Milwaukee gives you the opportunity to test our equipment before purchasing. It will leave you with the reassurance that our product is the best solution for your fluid process needs.

Utilize our try-before-you-buy program and experience the following benefits:



Optimize your Process

A test facility gives you the opportunity to do just that - test different process conditions to ensure you are producing the most desirable product that fulfills all of your product quality needs, such as yield, performance, color, taste, texture, and more.

Test New Recipes and Keep Samples for Further Analysis

Hydro-Thermal will provide you with all of the samples processed during the trial, allowing you to test them further at your own facility. It will allow you to compare your current product to the product that was created using Hydro-Thermal equipment. We also can provide a test report, showing the process conditions during the trial so you can duplicate these results in your own facility.

You also have the ability to test out new recipes in our lab. Instead of tying up valuable production time trialing a new product at your facility, consider using our lab to complete a small-scale trial to ensure that your new recipe is ready for larger scale production.

Educate Personnel and Become Experts with our Technology

Become an expert for the application and maintenance of our heaters and turnkey skidded solutions. Our Engineering staff can train your employees on how to operate and maintain Hydro-Thermal equipment. This training would not only help your staff become more knowledgeable, but also help them understand how our patented direct steam injection technology can help in other potential applications in your facility.



Simple Process from Start to Finish

When you decide to utilize Hydro-Thermal's lab, we will work with you every step of the way, ensuring a smooth process from start to finish. You will have a dedicated team of engineers and customer service representatives that address all of your needs before, during, and after the trial.

Confidential Testing

We understand the importance of confidentiality and have non-disclosure agreements available to ensure your recipes and products are protected. We will also take care of proper disposal of waste, allowing you to focus on the lab testing results.

Industries

Hydro-Thermal can test products in a variety of industries, including:

Chemical	Pulp & Paper
Food & Beverage	Starch Conversion & Sweeteners
Ethanol & Biofuels	Wastewater

Past Trials

Starch Conversion & Starch Yield

Pulp Stock

Protein Slurries

Sauces (*Starch & Tomato based, including large particulate products such as salsa*)

Meat Slurry

Soups & Broths

Lab Capabilities

- All product offerings from Hydro-Thermal can be tested in our lab

M & K-Series Hydroheaters
EZ Heater and EZ Heater skid
Hydron Sanitary Hydroheater

Non-Obstructing Heater (NOH)
Solaris
SilverLine

- Pumps (1-20 GPM flow rate)
 - Centrifugal
 - Progressive cavity
 - Sanitary rotary lobe
- 40 gallon jacketed kettle with an agitator
- Tank capacities up to 250 gallons

Lab Utilities

- Saturated steam
 - With food-grade chemistry, pressure rates reach up to 135 psi-750+ lb/hr)
- Compressed air - up to 80 psi
- Water - city, softened, hot, potable
- Power - (5) 30-amp three phase, 220 VAC single phase, 110 VAC single phase
- Nitrogen, carbon dioxide, and other gases available upon request



Please contact us today to schedule your lab test!

