

LAB TESTING

Hydro-Thermal's state of the art 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 processing needs. Utilizing our try-before-you-buy program has several benefits including:

1. Optimizing your process

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

2. Test new recipes and keep samples for further analysis

Hydro-Thermal will provide you with all of the samples that were processed during the trial, allowing you to test them further at your own facility. It will allow you to do a comparison of your current product to your product utilizing Hydro-Thermal's equipment. A test report can be provided showing process conditions during the trial so you can duplicate the results in your own facility.

The lab also allows you to test out new recipes. 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.

3. Educate personnel and become experienced with our technology

Become an expert for the application and maintenance of our heaters and skid systems. Our engineering staff can train your employees on how to operate and maintain Hydro-Thermal equipment. Therefore, they will not only be more knowledgeable, but also empowered to work with our equipment when they are working in your plant.

4. 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 to ensure that the process goes smoothly. You will have a dedicated team of engineers and customer service representatives that address all of your needs before, during, and after the trial.

We will set up and perform the trials so that you have the flexibility to:

1. Assist us during the trial
2. Simply observe and verify that everything is running to your specifications
3. Continue working at your plant & wait for samples to arrive for further testing.



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

Industries

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

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

Past Trials Include

- Starch Conversion & Yield
- Pulp Stock
- Protein Slurries
- Sauces (starch and tomato based, including large particulate products such as salsa)
- Meat Slurry
- Soups & Broth

Lab Capabilities

- The entire Hydro-Thermal product line can be tested including Hydroheaters, EZ Heater Skids, and SilverLine
- Pumps (flows 1-20 GPM)
 - Centrifugal
 - Progressive cavity
 - Sanitary rotary lobe
- 40 gallon jacketed kettle with agitator. Tank capacities to 250 gallons

Customer-provided equipment may also be incorporated into testing

Utilities

- Saturated steam: with food grade chemistry up to 125 psig-1000lb/hr
- Compressed air: up to 80 psi
- Water: city, softened, hot, potable
- Power: 460 VAC three phase, 220 VAC single phase, 110 VAC single phase
- Nitrogen, carbon dioxide, and other gases are available upon request

Please contact us to schedule your lab test today.

Toll-free: (800) 952-0121 Fax: (262) 548-8908 Email: info@hydro-thermal.com

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