



Press Release: For Immediate Release
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COMPANY USES DIRECT STEAM INJECTION TO ENSURE FOOD QUALITY, TASTE AND COST

One innovative meat processing supplier found a way to improve water immersed cooking production while ensuring taste, quality, and reducing costs.

The process of water immersed cooking for foodservice and retail brands requires accurate temperature control to ensure product and package integrity, eliminate wasted product and ensure food safety.

Typically, this process requires prep time before the food is sealed into polypropylene bags, loaded onto racks and immersed in water tanks for a specified period of time. These systems often use inefficient and inaccurate open air sparge tanks to heat the water. This water temperature is extremely important because overheating of bags could result in bursting, causing product waste and under heating causes unsafe food cook.



One Chicago based company was using an open to air tank system to heat water for this process causing major steam and energy losses along with inaccurate temperatures. Time, product, and energy were needlessly wasted. **Carmel Process Solutions**, a systems integrator focusing on food, dairy, beverage, and pharmaceutical sanitary processing applications, developed a system integrating Hydroheaters to heat the water, that saves an estimated 1/3 BTU energy over the old system and maintains a constant, even cook temperature.

Because the Hydroheater® maintains constant and precise temperature of the cook tanks, the product is safely cooked and energy is not wasted to the atmosphere. The company estimates it saves thousands of dollars in wasted product each year and energy dollar savings are over \$63,000 per year

The end user company is a supplier of beef, pork, poultry, pizza, baked goods, seafood, produce and other products to companies around the world and has received quality supplier awards from its customers.

About Hydro-Thermal Corporation:

Hydro-Thermal Corporation manufactures direct steam injection heating solutions. Over the years, Hydro-Thermal Corp leveraged that knowledge to serve customers in the fuel & ethanol, pulp and paper, chemical, textile, pharmaceutical, food processing, biotech, grain milling, petrochemical and water treatment industries. From start to finish, Hydro-Thermal Corporation meets industrial process heating and utility heating needs. For more information on Hydro-Thermal Corporation, please call 1-800-952-0121 or visit www.hydro-thermal.com

About Carmel process Solutions: -

Carmel Process Solutions, LLC provides services in the manufacturing and sanitary process industries. They are a systems integrator focusing on food, dairy, beverage, and pharmaceutical sanitary processing applications including expertise and installation of CIP and COP systems. 317.705.0217 / www.carmelprocess.com.



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