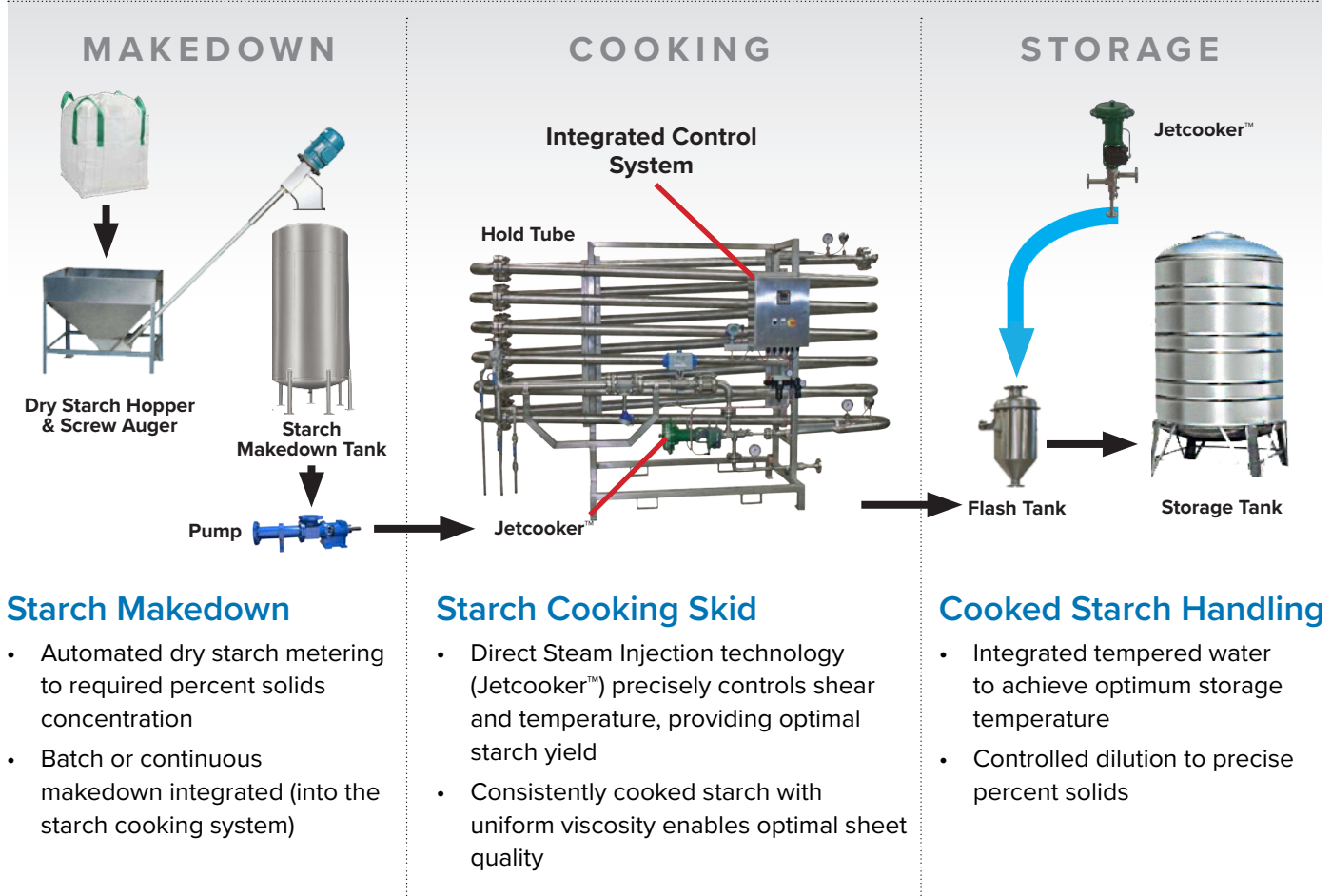


# Optimize Your Starch Cooking Capabilities

*Starch cooking is a vital component in successful paper production, ensuring that producers have a reliable supply of consistently cooked starch for improving wet end sheet strength, size press surface properties, and overall coating quality.*

Modern starch systems are comprised of three core modules coordinated through an integrated control system:



## Integrated Control System

- Integrated controls adjust cooking parameters to accommodate a variety of formulations
- Customizable controls system to facilitate the base starch cooking system or the comprehensive starch cooking process
- Enables continuous or semi-batch methodology, warm-up, cooking & flush cycles
- Fully compatible with plant DCS

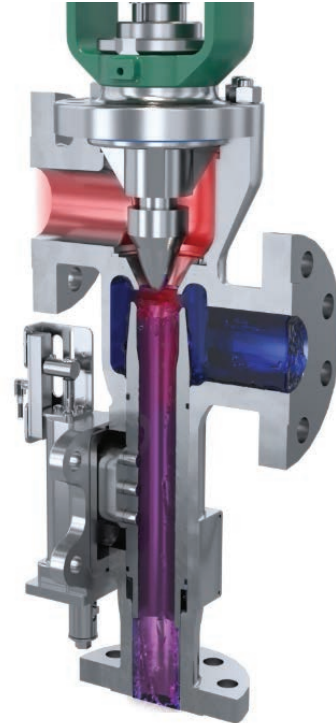
# What does your mill need from a starch cooking system?

## Select the Optimal Starch Cooker

*Eliminate inconsistent cooked starch quality, equipment issues, hammer & vibration*

Install a state-of-the-art starch cooking system, incorporating genuine Jetcooker™ technology from Hydro-Thermal.

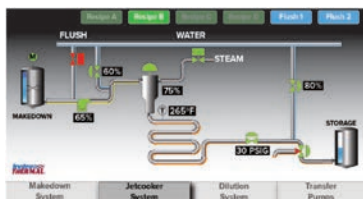
- Precisely-controlled shear and temperature for optimal starch yield
- 100% energy efficient
- No hammer, vibration, fouling or scaling is produced
- Requires little maintenance



## Minimize operation intervention with Integrated Controls

*Replace segmented/multi-stage controls requiring hands-on operation*

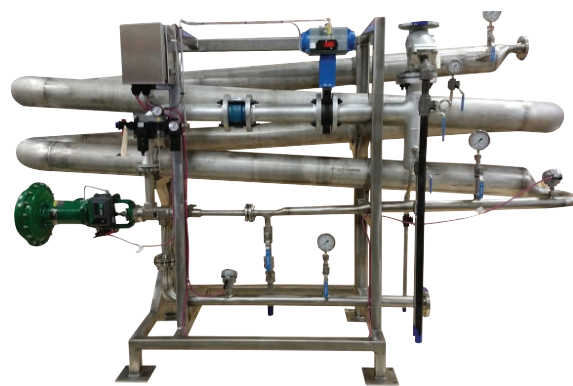
Install an integrated, adjustable control system, enabling continuous or semi-batch methodologies, warm-up, cooking & flush cycles. It also includes a localized panel and/or plant DCS integration, enabling push-button starch recipe and flush cycle control.



## Achieve System Flexibility

*Upgrade limited, pre-defined system capabilities requiring manual operator intervention and debugging*

Pursue a seamless, integrated starch cooking process flow, from makedown to storage. Complete and customizable starch cooking capabilities are all a part of this system, as well as automated, batch to continuous process capabilities.



## Hydro-Thermal starch cooking systems:

- > Predictively achieve **optimal, consistently cooked** starch with **uniform viscosity**
- > Provide **best-in-class heating** design/technology
- > Supported by **decades** of starch cooking experience and **hundreds** of systems currently in application



Made  
in the  
USA

**The choice is clear – choose Hydro-Thermal – the experts in starch cooking.**

**Need more information about Hydro-Thermal products?**

Go to [www.hydro-thermal.com](http://www.hydro-thermal.com) or  
contact us at [info@hydro-thermal.com](mailto:info@hydro-thermal.com)

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