



Sure,

ATTEC™ *will* give
you a better
starch cooking
system.

But there's
a catch...

Catch this: Advanced starch cooking technology that gives you consistent viscosity day after day with the most complete and uniform cooked starch available from anyone. Technology based on the industry's most respected starch cooking device, the Hydroheater®.

And this; a system backed by a half-century of experience, designed, built, and installed to cook your starch to your specifications, not pulled "off the shelf" to suit a vendor's needs. This system actually helps your mill produce a higher quality end product – whether you're making a premium coated sheet, fine bond paper or grocery sacks from recycled paper.

Another catch: The completeness and uniformity of the cook out makes your size, retention and strength aids more effective and improves drainage on wet-end systems.

The system? ATTEC. From the systems technology division of Hydro-Thermal Corporation. It's a solution adaptable to wet end, size press and coating applications using thermal, thermal high shear and enzyme conversion cooking methods.

Thousands of applications have proven that the ultra high-efficiency Hydroheater® in an effectively designed and controlled.

ATTEC starch cooking system, cooks out starch more completely than any jet cooker on the market. Period.



**YOU'LL
SAVE
MONEY.**

ATTEC draws on Hydro-Thermal's years of application experience and technical expertise – including systems engineering, process control, instrumentation, fabrication and start-up. Which gives you one more benefit: We know the science and the business of starch cooking better than

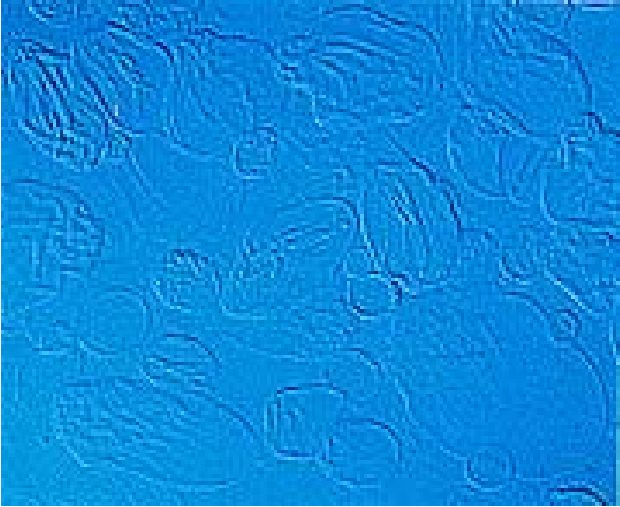
anyone. You'll see that in the way we understand your needs, answer your questions, and service you down the road.

How can your mill stay competitive in the challenging years to come? Will your papermaking process respond efficiently to the changing demands of recycled fibers and alkaline conversion? It will, if you're applying ATTEC starch cooking technologies. Because savings, flexibility and efficiency are designed into the solution.

With ATTEC, the savings aren't just on paper. You'll save yourself the missteps that come from less sophisticated technologies, while making paper at less cost.

The bottom line is that ATTEC will save you the most important asset of all: your ability to get the most out of your own paper-making expertise.

Savings that Aren't just on paper.



Outmoded cooking technologies leave high concentrations of uncooked starch.



Hydroheater®-based ATTEC system yields far more complete uniform starch cook-out.

How an ATTEC system benefits you...

Through the most complete, uniform cook out of starch.

- Makes maximum effective use of wet-end chemicals, which ultimately lowers chemical costs and improves sheet quality.
- Gives you the flexibility to change starches and suppliers-with consistent, predictable results.
- Maintains consistent viscosity, day in and day out.

Through advanced instrumentation and control technology:

- Delivers precise output control of percent solids and temperature.
- Ensures minimal system downtime and operator involvement, with enhanced troubleshooting capability.



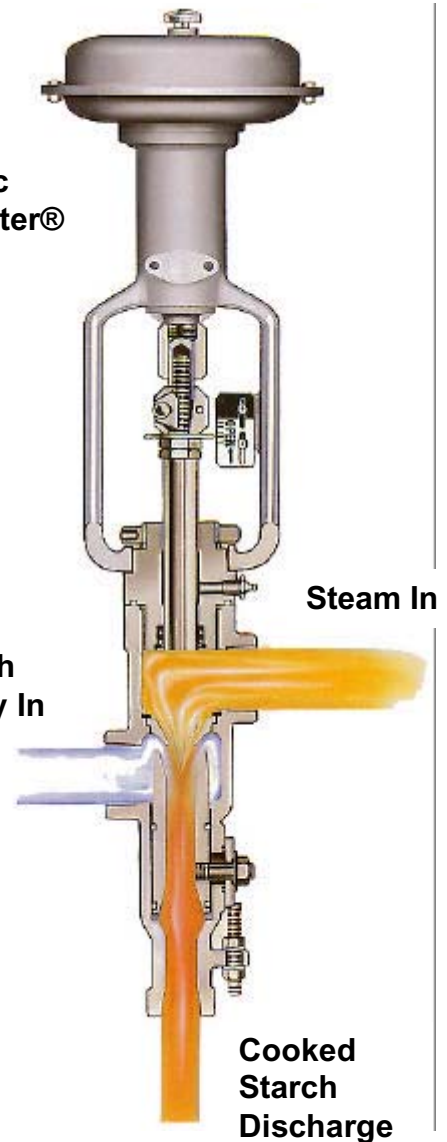
Automatic
Hydroheater®

ATTEC's greatest strength is in the development of system designs that meet your starch preparation needs. We'll design the system, furnish the skid mounted piping assembly and provide training and start-up services. We integrate the piping assembly with a customized, PLC-based, fully automated control panel. Your operators can continuously monitor the process at all points throughout the system without leaving the control room. ATTEC designs are readily interfaced with distributed control systems. And ATTEC is always available with technical assistance and support.

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Savings that aren't just on paper.

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Applied Thermal Technologies (ATTEC) is a division of Hydro-Thermal Corporation, the manufacturer of direct contact steam Hydroheaters® to heat starch slurry, stock, liquors and other liquids with steam injection for more than 50 years. Hydroheaters® are known as the most dependable, efficient heat transfer device in the papermaking industry because they're virtually maintenance free. They don't scale, foul or plug, ever. Hydroheaters® are engineered to maintain precise temperature control with units available to handle flow rates up to 7,000 GPM.

hydro
THERMAL