



# HARDCORE<sup>®</sup> TECHNOLOGY DRILLING SOLUTIONS FOR THE HEAT EXCHANGER INDUSTRY

**DURABILITY:** Last up to four times longer than other “high performance” drills

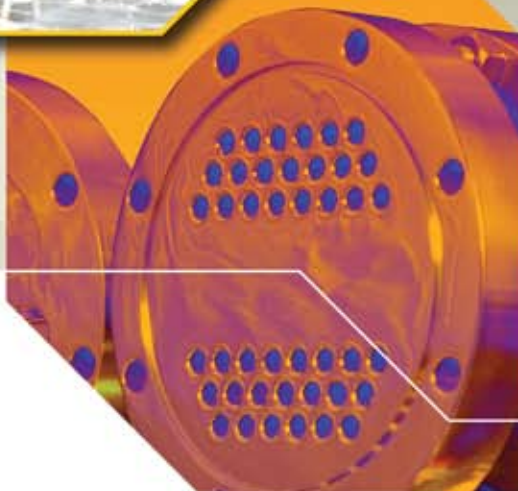
**SPEED:** Up to 2 times faster than other comparable drills

**QUALITY:** Better holes means less additional work and better tolerances

**STRENGTH:** Less chance of breakage or deterioration compared to other drills

**LOWER PRODUCTION COSTS:** Proven to reduce production costs up to 50% per hole drilled

Imagine the benefits if you could significantly reduce your tube sheet drilling production costs. With Hardcore<sup>®</sup> Technology you no longer need to imagine.





“...we get longer tool life at an increased feed and speed rate. The technical support was excellent and I have since purchased more ATI products for other applications with great success...”

*Young Touchstone*



### **WHY IT WORKS**

Consider the tip of a drill bit, the outer edges are running at a high surface speed, while the point of the drill is basically stationary. The carbide grade chosen must compensate for this, and there is always a trade off between performance and durability, which leads to chipping of the drill point, which is a critical factor in a drill's performance and tool life.

HardCore® technology for drillstrokes two grades of carbide—one tailored for wear resistance to match the high speed of the tool's outer diameter, and the other designed to be resilient enough to handle the slow speed at the tool centre. HardCore® Technology has eliminated the need for compromise and dramatically improved performance.

ATI Stellram is part of ATI Engineered Products, which is one of four business units composing ATI. ATI is a leading producer of specialty metals including titanium and titanium alloys, nickel-based alloys and superalloys, and stainless steel and specialty alloys. ATI Stellram has manufacturing facilities in the United States, United Kingdom and Switzerland, with 9 sales offices around the world and a product distribution network covering 40 countries.

Contact us today to let us show you how we can reduce your production costs with HardCore® technology.

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