

Winter 2006

Conventional Cylinders: Achieve Efficiency Improvement without Sacrificing Capacity

Want to improve the efficiency of your conventional cylinder without reducing capacity?

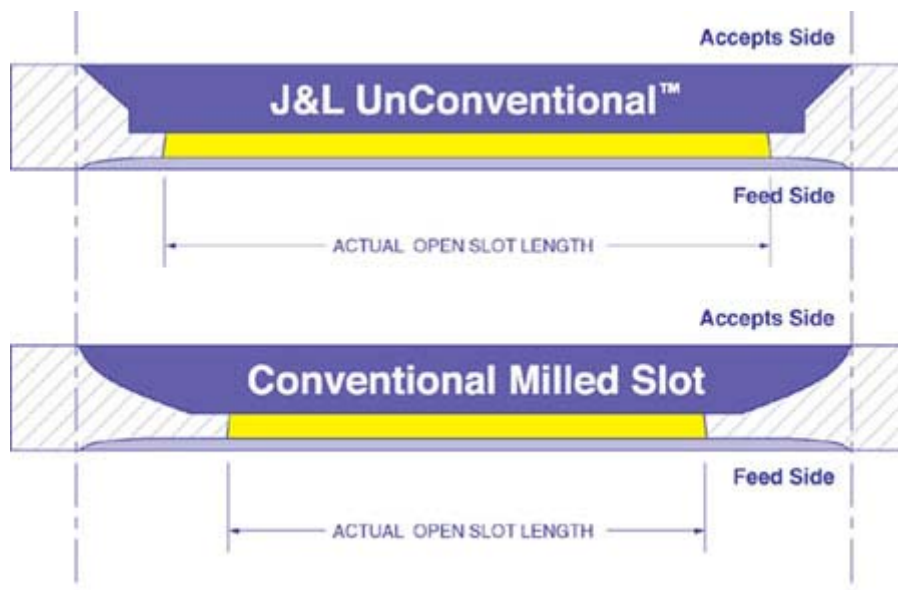
Reduce the slot size.

What? When you reduce the slot size, capacity suffers and rotor modifications are needed? Such is how the conversation goes when trying to improve the results of conventional cylinders. What's the key to success? Let's look at an actual case study.

A Midwestern fine paper mill was operating with a 0.008" conventional slotted cylinder. Their debris removal efficiency was 35-50% with a furnish consisting of 22% hardwood, 38% softwood and 40% broke. As with most mills, they wanted to increase the debris removal efficiency without affecting capacity. Previous attempts at reducing slot size failed due to capacity issues.

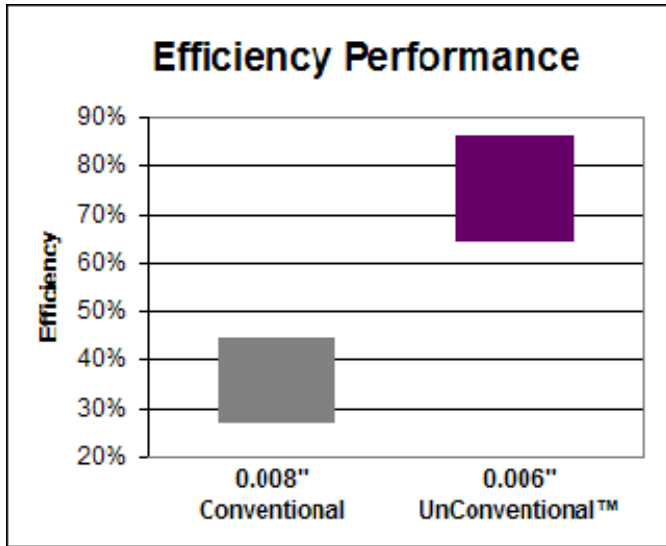
The mill installed a 0.006" J&L UnConventional™. Why a J&L UnConventional? Even though it's considered a conventional cylinder, its patented technology is unconventional in terms of its construction.

Compared to other conventional screen cylinders, the UnConventional provides far greater open area than the industry standard and long slot – resulting in increased screening capacity and more efficient performance.



The UnConventional offers greater structural integrity. Milled screen plates and large support rings are joined together mechanically, without welding, which results in excellent structural integrity, roundness and cylindrical tolerance. The UnConventional offers excellent reliability in any model screen without costly rotor modifications.

In the case of the Midwestern mill, even though the mill decreased slot size from 0.008" to 0.006", they were able to improve efficiency while maintaining the needed capacity. The UnConventional resulted in the debris removal efficiency increasing to 65% - 85%.



Achieve maximum flow, screening efficiency and unprecedented strength with J&L's UnConventional slotted screen cylinder. The UnConventional is suitable for all applications and models and is available in all finishes.

Contact J&L Fiber Services for a recommendation to meet your mill's specific objectives. Or sign up for Newton via the J&L Fiber Services site at www.jlfiberservices.com to specify, quote and order your own screen cylinder.

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