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Tailor Your Screening Results with a NoName Rotor from J&L

The two most critical components influencing the performance of a pressure screen are the screen cylinder and the rotor. While substantial improvements in screening systems have been achieved with recent advancements in screen cylinder designs, rotor development has been very limited.

Existing rotors have consisted of old OEM technology or a “one-size-fits-all” approach. Unfortunately, the optimization of your screening process is compromised because the rotors available may not be the best fit for your mill’s application.

Now you have a choice. J&L is changing the way the market views rotors by introducing a whole new concept – the NoName Rotor. Each NoName Rotor is custom engineered to work with the screen cylinder to meet specific mill screening objectives and process conditions. This “One-of-a-Kind” approach opens the door for greater optimization of a mill’s screening process.



Why did we call it the NoName Rotor? To answer a question with a question... how do you go about naming a product where the design and outcomes change per application? One name doesn’t cover all the possibilities J&L’s NoName Rotor has to offer.

J&L customers have witnessed some exciting results especially in installations of a V-MAX cylinder and NoName Rotor. Take a look:

Benefit / Installation	Existing Cylinder / Rotor	Results
Increased Rotor Life		
NoName Rotors		25 - 75% life improvement depending on application
Energy Reductions		
V-MAX & NoName Rotor	Drilled cylinder and S Rotor	Increased throughput 5,800 lpm → 12,500 lpm Reduced energy 80%FLA → 47%FLA
NoName Rotor	Lobed Rotor	Maintained capacity, efficiency and runnability RPM reduction: 850 → 750 RPM HP reduction: 120 → 80 HP
NoName Rotors	Bump & Sting Ray Rotors	Mill A: 57.3% FLA → 28.2% FLA Mill B: 120 amps → 55 amps Mill C: 47% energy reduction Mill D: 62% FLA → 42% amps
Pulp Mill Optimization		
0.008" V-MAX & NoName	0.012" slotted cylinder and Bumped Rotor	Maintained capacity Improved efficiency by 30% Reduced power by 45% Complete mill conversion
0.008" V-MAX & NoName	0.016" slotted cylinder and Bumped rotor	10-20% more thru-put 30-40% efficiency improvement Reduced rotor speed 1200rpm down to 810rpm Reduced motor load 123A down to 59A Eliminated dilution water and motor

NoName Rotor	Bumped Rotor	Energy reduction and 60% less good fiber being rejected Less fractionation of the long good fiber than the bumped rotor, resulting in retention of good fiber
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With J&L's NoName Rotor, you will experience an increase in life 25 – 75% depending on the application. This is due to:

- The rotor being chrome plated to prevent erosion
- Foils made with 17-4 stainless steel alloy to prevent wear
- Foil shapes strategically positioned to maximize performance
- The angled foil design efficiently directing large debris away from the screen plate media and out to the rejects minimizing screen damage

If you are currently operating a Bump or String Ray Rotor operating at 1100 - 1200 rpm, the NoName Rotor provides a great opportunity to reduce speed to 700 - 900 rpm.

J&L will also recondition your existing rotor using the same custom engineered solution and latest technology of the NoName Rotor. With a reconditioned NoName Rotor, you'll extend the life of your current rotor and experience the same results as you would with a new NoName Rotor all at a fraction of the cost. Close-up pictures of before and after are shown below.



As far as rotors are concerned, there are no "Silver Bullets". The RIGHT ROTOR must be matched to the RIGHT CYLINDER to produce the RIGHT RESULTS. Don't compromise your screening results . . . Optimize your whole screening system with a new or reconditioned J&L NoName Rotor. It doesn't matter what it's called. You'll see the results you want.

J&L Fiber Services, Inc.
809 Philip Drive
Waukesha, Wisconsin 53186
U.S.A.
Phone: 262-544-1890
Fax: 262-547-8166
www.jlfiberservices.com

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