

IMPULSE™ Rotors

Maximize capacity. Save power. Improve runnability.



Maximize Your Competitive Screening Edge

Combine J&L's IMPULSE rotor with a V-MAX screen cylinder and your screen system will achieve its maximum capacity, efficiency, and run a long time with trouble-free operation. An unbreakable and unbeatable combination!

J&L's new rotor, IMPULSE, is designed to be an impelling force inside of your screen cylinder. J&L's Impulse provides an optimal negative pulse allowing the screen to run at maximum capacity, efficiency and runnability. In addition to optimizing the screen's performance, J&L's new rotor has a LOW horsepower requirement saving screen operating energy costs. Impulse rotors fit all major OEM screens.

J&L's new Impulse Rotor design was created for close clearance and high capacity operations. The sloped foil design provides a negligible positive pulse combined with an optimized negative pulse that creates extended more stable cylinder back flushing. The foil's leading edge mechanically assists debris movement into the screen rejects. Staggered foils maximize cylinder surface activity.

The Impulse Rotor maximizes the optimization power of the V-MAX cylinder. When used in combination with V-MAX, the IMPULSE Rotor improves throughput, efficiency, runnability and high pulse strength. It's the perfect time to see for yourself how a V-MAX cylinder and Impulse Rotor package can improve your screening process.

J&L offers new Impulse Rotors for the following models:

OEM	Models	Number of Foils (cols x rows)	Rotor Gap nom.	Material
Bird	M200, M400, M800	3 x 3 = 9 4 x 4 = 16 6 x 4 = 24	0.125"/ 3.2 mm	■ 316L SS ■ Chrome Plating optional
Impco HQ	210, 212	4 x 4 = 16 5 x 4 = 20	0.125"/ 3.2 mm	■ 316L SS ■ Chrome Plating optional

Results

The improved performance of the Impulse Rotor and V-MAX package are demonstrated in our trial results. With this upgrade package, one mill was able to reduce cylinder slot size from 0.016" to 0.008". The results were a 30-40% efficiency improvement and 10-20% more throughput due to a smaller slot size and the rotor's improved activation of the cylinder surface. The mill was also able to eliminate dilution water resulting in additional costs savings.

Rotor Upgrades & Rebuilds

Extend life. Decrease costs. Improve performance.

J&L offers the option of upgrading or repairing rotors. By extending the life of a current rotor, mills will reduce rotor replacement costs while still improving the screen's operating performance.

J&L Impulse Rotor Conversion

J&L will remanufacture a bumped rotor and convert it to a "like new" J&L IMPULSE rotor providing the latest rotor technology at a fraction of the cost of a new rotor. The IMPULSE rotor design will maximize capacity, reduce screen power consumed, and improve the screen's runnability.



J&L can UPGRADE the following models to IMPULSE rotors:

OEM	Models	Conversion Type	Standard Conversion Options
Bird	M200, M400, M800	Bump to J&L Staggered Drum Foil	<ul style="list-style-type: none"> ■ Remove bumps ■ Weld repair drum ■ Turn drum – clean-up ■ Weld on staggered foils ■ Balance ■ Chrome - option
CIR	110B, 212B	Bump to J&L Staggered Drum Foil	<ul style="list-style-type: none"> ■ Remove bumps ■ Machine drum and weld on 1/4" thick repair sleeve ■ Weld on staggered foils ■ Balance ■ Chrome - option
Impco	208,210, 212	Stingray to J&L Staggered Drum Foil	<ul style="list-style-type: none"> ■ Remove stingray bumps ■ Weld repair drum ■ Turn drum – clean-up ■ Weld on staggered foils ■ Balance ■ Chrome - option

Rotor Repairs

Save money by extending the life of your current rotors. J&L can rebuild rotors to OEM "like new" condition allowing mill's to reduce maintenance costs related with expensive rotor replacements. Rebuilt rotors return the screen's performance to like new operation. J&L's standard rotor repair capabilities include the following:

OEM	Models	Rotor Type	Standard Repair Options
Bird	M200, M400, M800	Bump	<ul style="list-style-type: none"> ■ Weld repair drum ■ Weld repair bumps ■ Replace bumps ■ Balance – option ■ Chrome - option
Voith Omni	200,400, 800,900	Lobe	<ul style="list-style-type: none"> ■ Weld repair lobes ■ Balance - standard ■ Chrome - option
CIR	110B, 212B	Bump	<ul style="list-style-type: none"> ■ Weld repair drum ■ Replace bumps ■ Balance – option ■ Chrome - option
Impco	208,210, 212	Stingray	<ul style="list-style-type: none"> ■ Weld repair ■ Do not replace bumps ■ Re-chrome - option



Maximize your screening results at reduced costs with a new Impulse rotor, Impulse rotor conversion or a rotor rebuild.

Feel the "Impulse", contact your J&L Sales Representative today for more details.



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