

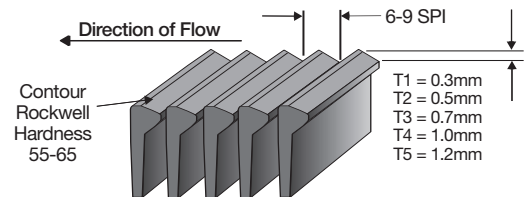
# J&L Screen Cylinder Technology: L-MAX Screens

Longer Life. More Open Area. Lower Operating Costs.

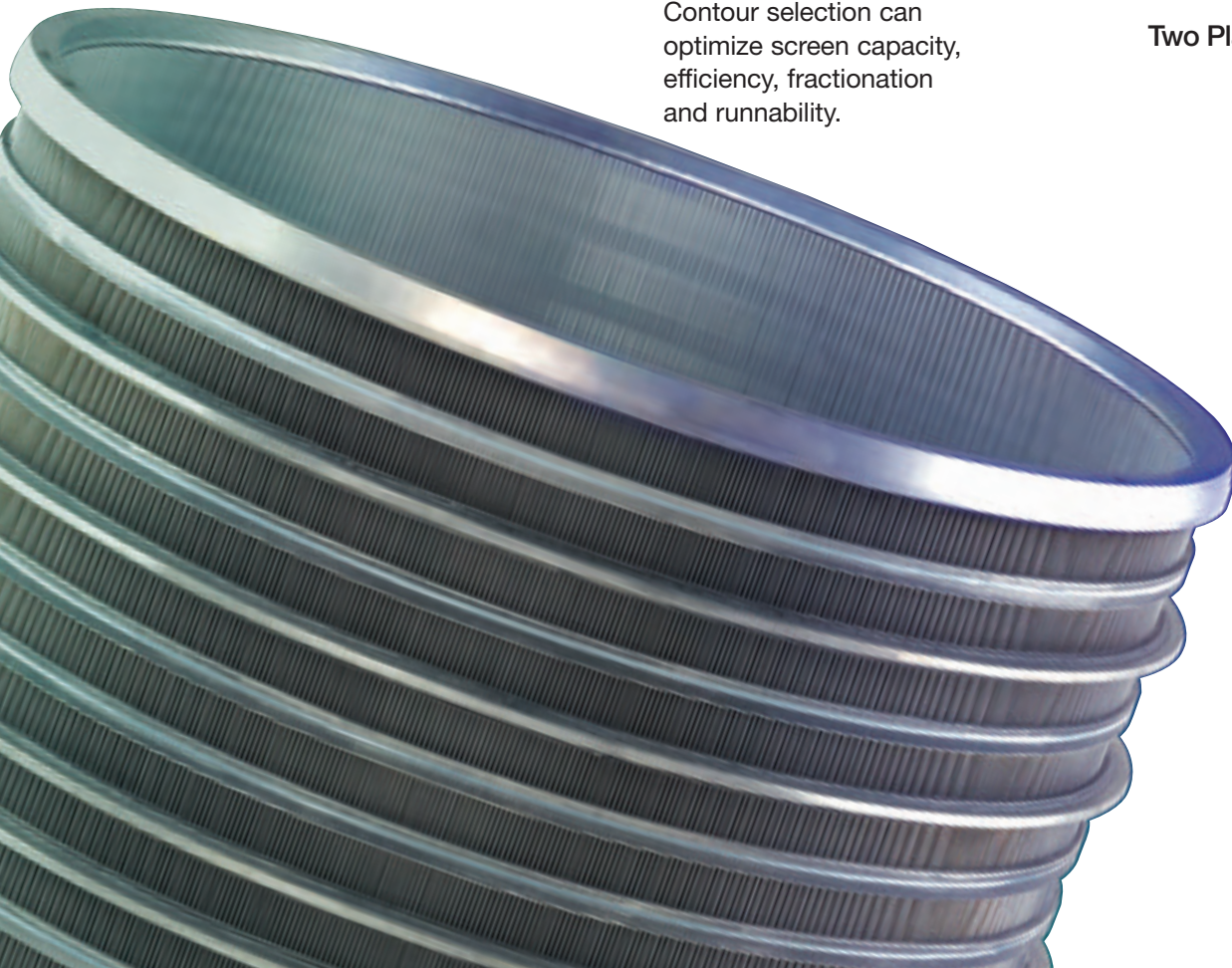
**J&L's L-MAX wedgewire cylinder augments the company's existing V-MAX technology.** It is specifically targeted for approach flow and stock preparation applications where the caged characteristics of the V-MAX exceed what is required.

With the L-MAX, your choices are no longer limited to drilled or milled conventional cylinders. The L-MAX provides a design that will deliver longer life and improved performance. J&L offers the L-MAX in a variety of contours, slot widths and slots-per-inch to suit most applications. Contour selection can optimize screen capacity, efficiency, fractionation and runnability.

The L-MAX provides longer cylinder life and durability, higher capacity and greater efficiency.



Two Plane (T) Contour

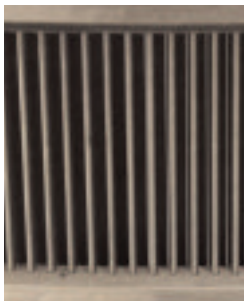


## Headbox Screening Applications: A quantum leap

Headbox screens are designed to remove large debris, as well as protect paper machine forming wire and converting equipment. They also assist with stock mixing and dispersion. Current technology uses conventional drilled and milled cylinders. Drilled cylinders offer enormous open area for screen capacity but limit efficiency due to their large holes. Milled slotted cylinders improve screen efficiency but limit capacity due to their lower open area. The L-MAX changes the game. It delivers greater efficiency and capacity for headbox applications providing:

- Fewer sheet holes and breaks by reducing debris and fiber bundles
- Improved sheet formation by dispersion of fiber bundles
- Visual sheet improvement and enhanced printing surface by reducing large coating flakes and contaminants
- Maximum structural integrity with the rugged interlocking wire design

The L-MAX delivers these results by utilizing wedgewire cylinder technology in headbox applications—a quantum leap forward. The L-MAX provides a much greater open area than conventional cylinders for more capacity, while reducing slot size for greater efficiency. The L-MAX used in headbox applications has a highly polished cotton



ball finish to prevent stringing and high-strength design for damage resistance. L-MAX is the right choice for taking your headbox screening to the next level.

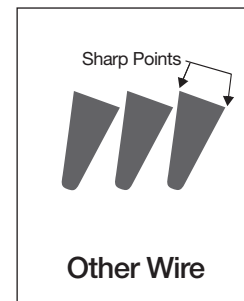
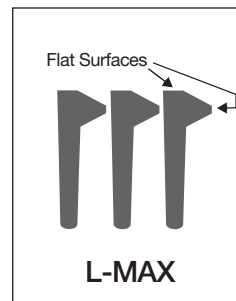
*High-strength wedgewire design for greater open area and efficiency.*

## Stock Preparation Screening: Longest lasting design

The L-MAX delivers 25-50% longer life than conventional cylinders and is designed for all except the most severe stock preparation applications where the V-MAX would be recommended.

### L-Max Long Life Advantages

	L-MAX	Competitor
Wire Design	0.5mm residual slot thickness	Pin-point residual slot thickness
Wire Material Hardness	590 Brinell	150 Brinell
Chrome Thickness	0.015-0.020in	0.004-0.008in



*Flat wearing surfaces and greater height of the L-MAX wire extend cylinder life.*

The L-MAX wire is designed with flat wearing surfaces at the top and the slot to improve cylinder resistance to both profile wear and slot wear. J&L's advanced wire alloy is also much harder and more wear resistant than the material used in conventional milled cylinders. The unique wire design combined with L-Chrome enables the L-MAX to withstand the harshest of environments and provide the longest lasting cylinder on the market.

J&L Fiber Services application team can recommend a tailored solution for your mill's screening needs. J&L's "MAX" family of screen cylinders can be used to optimize your process and costs.