**XCEL™ 150 Cleaner**

### Fine Forward Cleaning

#### Applications

The XCEL 150 is a high-efficiency sand and grit removal system setup in custom banks to optimize fine cleaning.

#### Features & Benefits

- **Efficient for removing granular debris** – Gentle on contaminants; rejects more fine debris in individual isolation with minimal containment loss.
- **Extended operating life** – Injection head moldings have glass filled nylon, corrosion and wear resistant parts. XCEL 150 are an optimized forward cleaner that uses ceramic in all stages.
- **Customizable** – Easy-access banks can be configured to meet the mill’s fine cleaning needs. (Banks from 1-256)
- **Easy debris removal** – Clear reject sight glass allows for clear viewing of debris removal.
- **Configurable options** – Isolation valves, ALR, Stock Savrs, and Intermittent Reject Dump (IRD) can be added to any bank configuration.

### About the cleaner

The XCEL™ 150 cleaner separates good fiber from debris. Paper slurry consisting of water, good fiber, and debris enters the top of the cleaner. The slurry accelerates and spirals downward along the inner wall, causing the entire contents of the cleaner to spin. Centrifugal force causes water and heavy debris such as grit, glass, sand, pins, staples, gravel, dirt, metal, abrasives, and other small heavy objects to move to the outer wall and spiral to the bottom of the unit.

### XCEL 150 cleaner specifications

- To reduce the number of stages, individual cleaner fiber recovery is used.
- Banks greater than 14 cleaners have dual inlet header
- Ceramic lower cones available for any bank size

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*XCEL 150 cleaners with individual valves*

*XCEL 150 cleaner banks working with X-Clone reverse cleaners*
XCEL 150 cleaner options

1. **Isolation Valves** – Stainless steel valves are used to isolate all individual cleaner connections. These valves allow for each cleaner to be easily by-passed so it can be removed or replaced while the system operates.

2. **Air & Light Reject (ALR)** – This continuous light removal creates a dual function that removes both light and heavy contaminants and fine tunes pulp cleanliness.

3. **Stock Savr** – The all-ceramic Stock Savr option increases system yield. A final reject dilution wash ensures premium pulp stock.

4. **Intermittent Reject Dump (IRD)** – This option is used in the final stage to maximize yield by controlling the reject rate. Contaminants are purged periodically without disruption of the system in operation.

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**About Kadant**

For more than a century, Kadant subsidiaries have been delivering smart and efficient solutions to process industries. As a global leader in fiber processing, fluid handling, water management, and doctoring systems, we design and manufacture products used in industries ranging from paper to plastics and textiles to tires.

At Kadant, we are proud to offer innovative products and technologies that help reduce energy consumption, improve water management, and enhance efficiencies for long-term sustainability. Kadant brand products and services are sold to industries worldwide through our subsidiaries located in more than 18 countries. Our approach is simple: know our customers, understand their process, and use our specialized expertise to deliver the right solutions.

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