The M-clean tissue fabric cleaning system is built on Kadant’s proven fabric cleaning knowledge developed in our R&D facility and optimized in recycled paper and packaging applications with hundreds of installations across Europe, Asia, and North America.

The cleaning system incorporates application-specific water pressures and nozzle sizes and configurations to ensure effective yet gentle fabric cleaning. As a result, users have experienced reduced holes, fewer sheet breaks, and less downtime attributed to fabric cleanliness issues.

The M-clean tissue fabric cleaning system can be operated continuously or intermittently depending on the application. The system can be programmed to provide additional cleaning at specific fabric points.

The M-clean tissue fabric cleaning system’s reliability is recognized as one of the highest in the industry and the elegant design accommodates fabric changes as well as ease of maintenance. A vacuum system is incorporated into the system to ensure debris accumulation in the water loop is minimized and mist from the cleaning nozzles is eliminated.

**Applications**

Using knowledge gained through extensive pilot machine testing and more than a decade of field installations, the M-clean tissue fabric cleaning system effectively and efficiently removes stickies and other contaminants from the surface and interstices of tissue fabric. The traversing shower head is custom-engineered for the application to provide exceptional fabric cleaning.

**Features**

- Stainless steel beam and traversing shower components
- Continuous, one-pass cleaning
- Optional active vacuum for debris removal
- Ease of maintenance

**Benefits**

- Reduced number of holes in sheet
- Fewer sheet breaks
- Reduction of passivation and cleaning chemicals
- Reduced water consumption by up to 95%

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**Does your tissue fabric look like this?**

Typical hole size with virgin and recycled paper production from 2 mm to 10 mm.

2 to 10 mm

2 to 6 mm
On a 1,600 mpm (5,250 fpm) twin-wire machine, the M-clean tissue fabric cleaning system reduced shutdown time by 70%, from 3.7% to 1.4%. Not only can the number of shutdowns be reduced, but also the shutdown time.

Additional benefits

- Reduced second quality due to holes
- Reduced passivation and cleaning agents
- Reduced pump energy for high-pressure, full-width shower
- Increased internal broke usage
- ROI less than one year