Yankee Solutions

Products engineered to optimize performance on high-speed tissue machines.
Yankee Solutions

Backed by over 85 years of creping blade experience, Kadant provides high-level field knowledge of creping blades with local experts who can evaluate creping blade performance with regular site visits. Kadant qualified service technicians can troubleshoot problems, check, set, align, and profile Yankee doctors to maintain optimum performance.

**Conformatic XL™ doctor blade holder**
An industry standard for Yankee holders, the robust design can be used for high-load applications up to 80 PLI. Blade adjustment and edge relief finger system provide precise adjustment to the Yankee crown. There is a backup blade and tube for uniform pressure, and open design for hygiene. Parts and accessories are readily available for all components.

**Yankee Dryer Cleaner™ device**
The patented Yankee Dryer Cleaner device effectively and safely removes coating from the Yankee dryer surface. Regular Yankee dryer surface cleaning during downtime is important. Removing coating is even more critical if chatter marks are developing, which can migrate across the face and into the Yankee surface. The Yankee dryer cleaner is lightweight, easy to handle, and requires minimal manpower. There are a variety of application specific pads available for cleaning and polishing the Yankee surface. When used regularly, it can act as an effective chatter management device and prevent the need for Yankee grinds.

**Suction Pressure Roll Double Doctor System**
The Suction Pressure Roll Double Doctor System with patented Airset™ B blade holder is designed to remove water from suction pressure rolls. Water that can be removed at the suction pressure roll does not end up rewetting the felt and sheet. This has significant impact on tissue quality, runnability, and energy consumption. The special patented design of the Airset B blade holder enhances vacuum behind the blade and increases the water being drawn out of the roll surface. The Suction Pressure Roll Double Doctor System can be incorporated into an existing save-all pan or can be provided as a complete save-all pan/double doctor combination.

**CeraEdge™ L and CeraEdge™ S creping blades**
The CeraEdge L creping blade is recommended for applications benefiting from long blade life resulting in high productivity, asset utilizations, and tons per day. It is thermally stable which reduces blade buckling, twisting, and warping.

The CeraEdge S creping blade provides a distinctive product with a unique ceramic tip. It is recommended for applications requiring high tissue softness and is suitable for relatively dirty furnish due to its insensitivity to particles and contaminants.

**ProCrepe® doctor blade**
The patented combination of the steel alloy and manufacturing techniques has been specifically developed to produce a creping blade with a tightly controlled micro-structure resistant to wear and less aggressive than steel. The contact area of the ProCrepe doctor blade remains sharper for longer than steel and this enables the blade to be used to produce a higher quality sheet for a longer period.
Steel creping blade
A full range of steel creping blades are available in a variety of hardnesses, widths, thicknesses, and custom bevel configurations. These steel creping blades are manufactured utilizing the latest processing equipment to exacting quality standards. They are available with short delivery times and solutions from Kadant to manage your on-site inventory.

Yankee doctor systems
Kadant offers a complete line of creping, cleaning, and cutoff doctor solutions and related components such as oscillators and bearings. These doctor systems are custom designed for each application taking into consideration all machine and process variables so the equipment can be operated with minimal risk of vibration and Yankee damage. Additionally, Kadant offers In-mill™ design services and complete installation and alignment services.

Yankee service package
Kadant qualified service technicians can troubleshoot problems, check, set, align, and profile Yankee doctors to maintain optimum performance and ensure safe and reliable operation. Our qualified service technicians bring with them over 85 years of doctoring experience in the tissue industry. A typical Yankee Doctor Service will include physical inspection of all mechanical components of each doctoring system including: mounting brackets, bearings, journals, doctor structure, blade holder, levers, air cylinders, oscillation, and other equipment. The blade angle will be adjusted to the specific application. The holder profile is checked and necessary adjustments are made to ensure a proper blade-to-surface fit. A steam survey, diagnostic on-site, and continuous survey via the internet with a trimester report from a Kadant expert is also available.

Vibration monitoring and smart cartridge blade sensor
Kadant’s monitoring equipment can provide you important real time diagnostic feedback, you can understand what’s really happening in your process and learn to respond to and avoid problems before they occur. The vibration system provides visual representation of vibration occurring at the doctors while the smart cartridge provides load and friction feedback directly from the blade tip. These user friendly and customizable solutions reduce risk and improve the safety of your Yankee.

Yankee Spray Boom
Kadant Yankee Spray Boom systems are custom-designed for each application and include features to ensure complete, even coverage and uninterrupted operation. Typical systems include:
- Triple coverage with edge overspray
- Oscillation
- Shower pipes designed to prevent solids build up on internal surfaces
- Quick release nozzles
- Redundant shower pipes
Steam joints
The PT™ rotary joint incorporates the latest developments in seal design and drying technology for tissue machines. The patented design uses a spring-loaded piston that applies balanced pressure on the seal ring to keep it securely seated against the seal plate. With its spring-loaded piston and reverse seal, the PT seal technology is a far different design than conventional seal packages. These advanced design differences make the PT a more reliable, easier-to-maintain steam and condensate joint – even under the most difficult operating conditions.

Yankee Turbulator® Tube™ bars
Turbulator Tube bars are axial bars held against the inside surface of a dryer and are used to generate turbulence in the rimming layer of condensate. Turbulator bars can increase drying capacity and improve drying uniformity.

Steam systems
Kadant's extensive process knowledge in tissue drying, steam systems engineering, and the ability to integrate the steam system with process equipment provides tissue producers with cost-effective solutions to steam distribution and condensate management.

Thermocompressors
Steam jet thermocompressors are designed to boost low-pressure steam by accurately mixing low-pressure steam with high-pressure steam. With just three basic components; nozzle, mixing section, and diffuser, the Kadant thermocompressor is simple yet highly energy efficient.