Keep your production rolling:

Minimize waste and increase production yields with the industry's leading defect identification system

Monitor your production process in real time, boost customer quality and find defects within minutes of start up
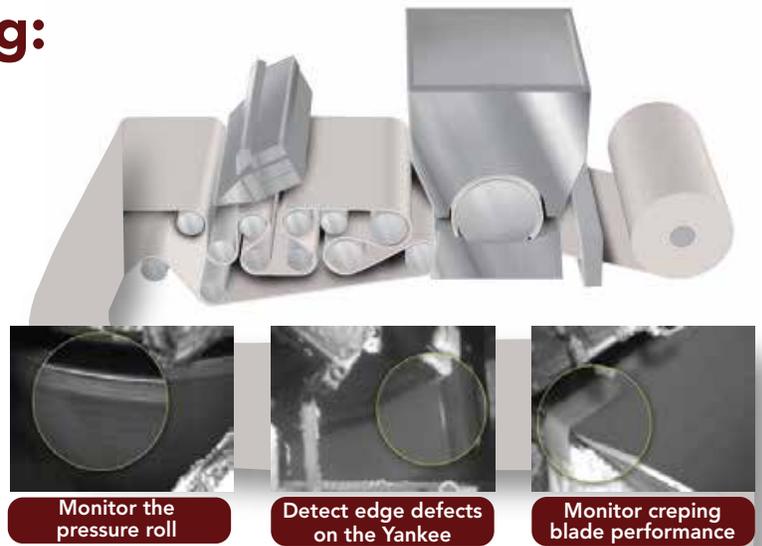
Optimized to meet the unique requirements of the Tissue industry, the AMETEK Surface Vision SmartAdvisor® for tissue solution enables instantaneous process monitoring, event capture, and defect identification to keep your production rolling with minimal waste and higher quality yields – maximizing return on investment in less than 12 months.

Backed by over 20 years of engineering experience, SmartAdvisor for tissue provides you the precise accuracy you need in a surface inspection and defect identification solution. With multiple software packages to choose from, our engineers can optimize your system and cameras in order to achieve the highest quality outcome for your customers while maximizing your return on investment. See why more companies guarantee their quality with AMETEK Surface Vision inspection systems over any other surface inspection solution in the world.

Each installation of the SmartAdvisor for tissue solution is based upon a standardized, modular and non-proprietary design. We take advantage of only the most evolved and cutting-edge imaging and processing technologies to deliver a solution that will not only exceed your customer's requirements, but will ensure a rapid return on investment with savings you can see in the form of reduced waste and greater production efficiencies.

As part of our commitment, we offer an impressive array of life cycle management solutions for upgrades and expansions. The agile and flexible design of our products enable independent software and hardware enhancement to fit a variety of environments with minimal space requirements.

By offering cost-effective service, support and training options, you can choose the right mix that meets your specific needs. Our support centers are located throughout the world, and we can provide global solutions with one-on-one local expertise so you'll never feel disconnected or uninformed about how you can fully utilize the SmartAdvisor for tissue solution to its fullest potential on your Tissue line. We offer the largest and most extensive network of user resources, including 24/7 technical support, engineering site visits, timely software releases/updates, and full hands-on operator training.

Monitor the pressure roll

Detect edge defects on the Yankee

Monitor creping blade performance

Repeating Wire Hole

OPERATIONAL BENEFITS

- Increase Average Machine Speed 5-10%
- Decrease Sheet Breaks by 30-60%
- Decrease Wash-Up Frequency by 30-60%
- Improve Converting Yield Efficiency
- Decrease Production Costs

Contact one of our AMETEK Surface Vision sales representatives at **+1 (877) 264-6390**, and discover how you can improve your profitability through higher quality, consistent reliability, and faster speeds – all with very fast commissioning and system ramp up.

Real-Time Root Cause Analysis

Combining strategically placed cameras from the forming section to the reel, and AMETEK Surface Vision's synchronization technology, operators can *instantaneously pinpoint the exact cause of a defect or sheet break*. With any event or process trigger, the SmartAdvisor® for tissue solution automatically generates 10 second video clips from each camera, synchronizing and fully documenting the cause and effect around any given upset.

Advanced Defect Detection and Classification

The single greatest challenge to correctly finding and identifying defects on a tissue or converting machine is ignoring all the false positives created by the dusty inspection environment.

Using our Smart Track filtering algorithms, you can also take advantage of the benefits seen by our tissue customers – realizing up to a 90% decrease in false defects. The software is so powerful, individual pieces of tissue dust that are just millimeters in size can be classified as a non-defect, tracked between frames, and filtered.

Once anomalies in the web are identified, the image and defect features are extracted and used by the Vision Industry's most advanced and easy-to-use classification algorithms to correctly "name" each defect for operator display and reporting.
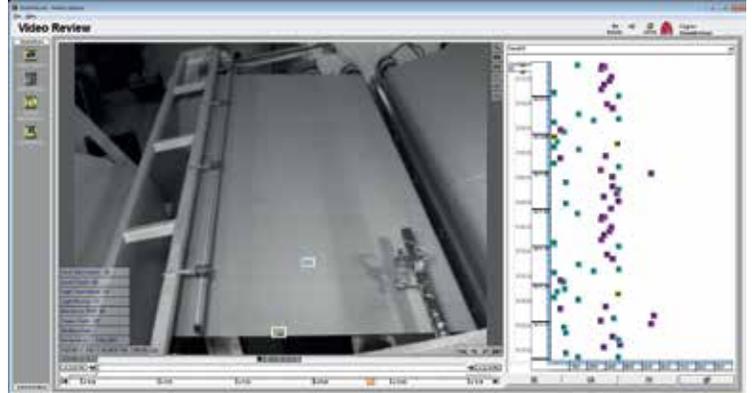
No other process monitoring and defect identification system on the market today can offer you these advanced and easy-to-use features found in the SmartAdvisor for tissue solution.

Define complex sets of rules for identifying and/or eliminating specific defects for inspection through SmartAdvisor's Rules-Based Classifier

Intuitive Operator Displays and Reports

Identifying line upset conditions are now easier than ever utilizing the highly intuitive SmartAdvisor for tissue solution graphical user interface (GUI). Process video and defect maps are clearly visible, synchronized, and color-coded to immediately enable operators to understand the situation and take corrective action immediately.
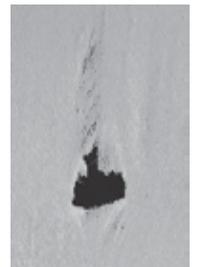

Sharing reports with others throughout the plant is just as simple using the flexible reporting features found in the AMETEK Surface Vision solution. Configurable, web-based reports make real-time data immediately accessible by any browser on the network both inside and outside of the facility.

Support for Hundreds of Cameras

AMETEK Surface Vision and our Acquisition Alliance Partners work collaboratively to provide early support for emerging camera technologies – recording images at up to 1,000 frames/second (fps). This partnership with the camera producers ensures that our customers will always have the best image quality and access to the most current technology.

1/4 Inch hole at approx. 3,500 fpm (6 mm hole at approx. 1,070 mpm)

AMETEK®
SURFACE VISION