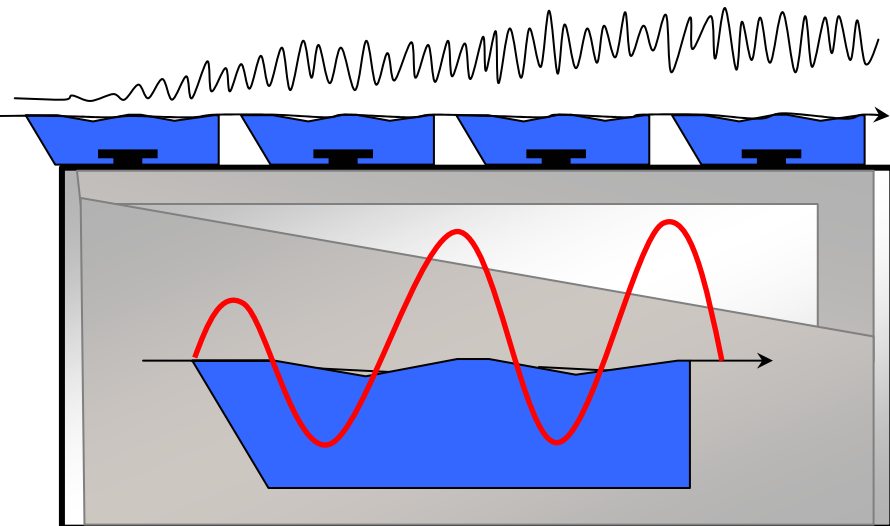


## MultiPulse™

### Activity Generating Foil Blade



The MultiPulse™ foil is designed to impart a series of high frequency pulses into the sheet. The concept is based on the proven theory that the size of the fiber floc created in a sheet is proportional to the scale of the stock activity generated. Finer scale stock activity results in smaller floc size. The design of the blade allows for very high pulse frequencies (in excess of 120 Hz) to be achieved, even at speeds below 1000 fpm.

The MultiPulse foil is also effective in redistributing fines in the sheet since it forces a portion of the water removed by the foil back into the sheet. This prevents sealing, keeping the sheet open for easier water removal on the fourdrinier table, in the press, and in the dryer section. Sheet strength properties are also increased with improved fines distribution.

## MultiPulse™ FEATURES and BENEFITS

- Increase pulse frequency to decrease fiber flock size
- Improve formation
- Increase drainage
- Improve MD and CD strength properties
- Improve fines distribution
- Break up streaks for improved profiles
- Improve smoothness
- Low Risk – low capital investment
- Available in UHMW poly or poly with ceramic insert

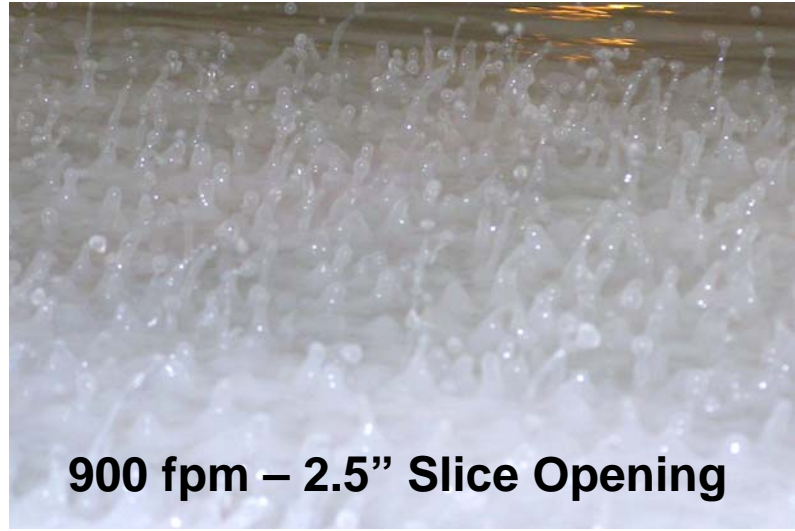
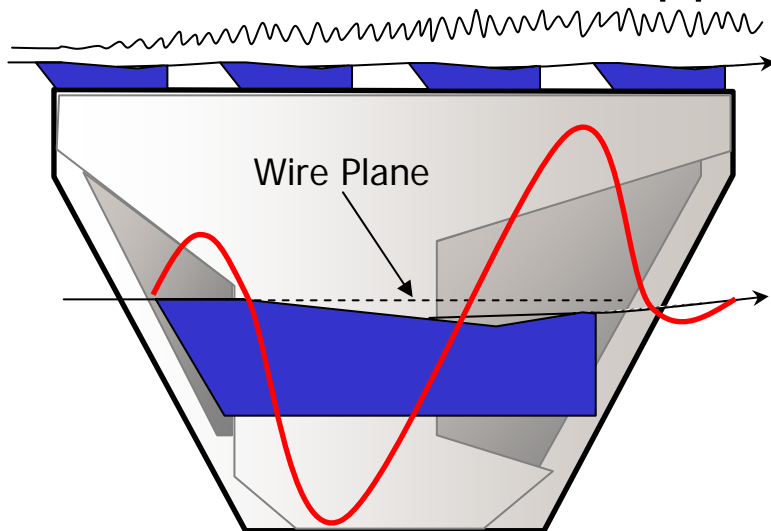
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## MultiPulse - HP™

### Activity Generating Foil Blade for Lower Speed Applications



900 fpm – 2.5” Slice Opening

The MultiPulse-HP™ is a “High Power” version of the MultiPulse™ foil. This blade is designed for low speed applications that are very difficult to activate with traditional activity generating technologies. The MultiPulse-HP™ can be installed in any gravity foil box or vacuum assisted foil box such as step foil of broken plane systems.

## MultiPulse-HP™ FEATURES and BENEFITS

- Generate high intensity activity even at low speeds with large slice openings
- Convert low vacuum foils into pulsative drainage units
- Improve the operation of existing step foil or broken plane systems
- Increase pulse frequency to decrease fiber floc size
- Improve formation
- Increase drainage
- Improve MD and CD strength properties
- Improve fines distribution
- Break up streaks for improved profiles
- Improve smoothness
- Available in UHMW poly or poly with ceramic insert

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