

VID Systems

Applications

VID Forming Technology is applicable for paper grades from linerboard to fine papers to fluff pulp. Papermakers are able to control activity and optimize fourdrinier drainage performance while improving important sheet characteristics.

Features

- ▶ Patented blade design based on propriety algorithms
- ▶ Custom designed blades for speed and grade
- ▶ Controlled activity capability
- ▶ Easy installations

Benefits

- ▶ Improved formation and sheet quality
- ▶ Enhanced forming system drainage capacity
- ▶ Improved machine efficiency
- ▶ Increased machine productivity



Kadant provides patent protected VID blade designs specifically for your existing forming structures based on grade, speed, and furnish as well as your goals for speed increases, formation improvements, and sheet characteristics. Having tools that can manage both activity and drainage, allow the papermaker to maximize machine performance. Competitive designs attempting to imitate the VID blade technology often increase drive loads and reduce retention.



Competitor activity

VID activity

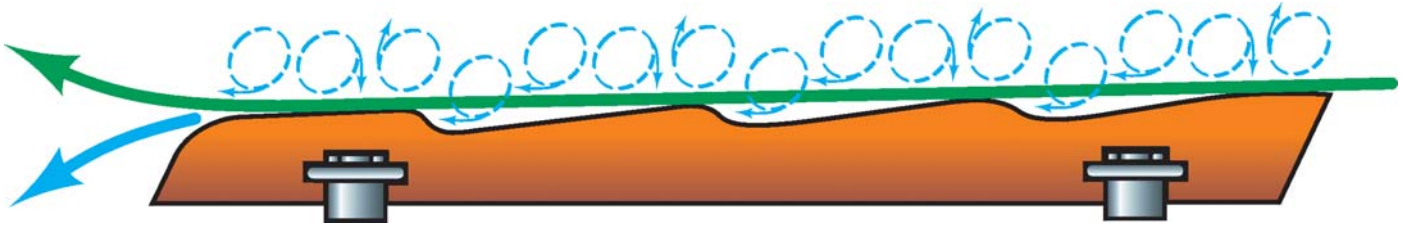
Pre-VID Formation



Post-VID Formation

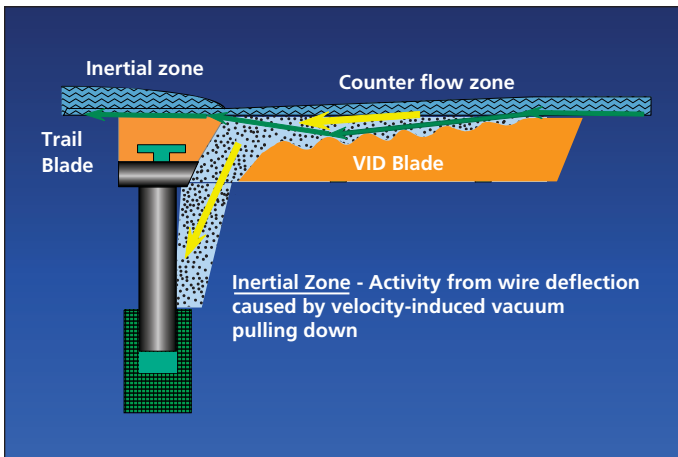


VID FORMING TECHNOLOGY

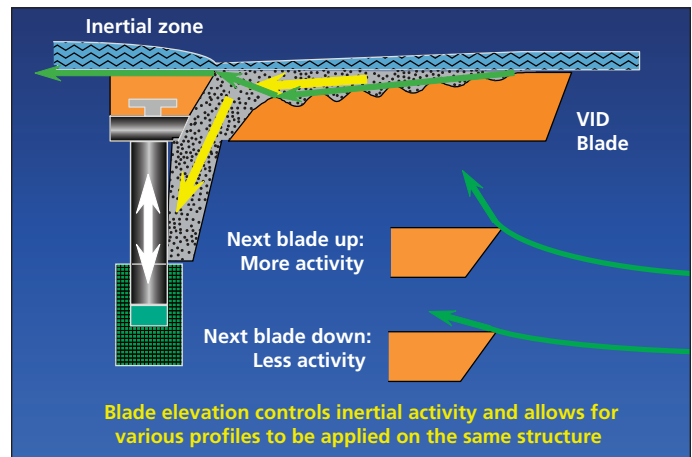


- ▶ Induces counter flows through wire
- ▶ Promotes thickening mechanism
- ▶ Provides increased drainage
- ▶ Low DP improves retention
- ▶ Induced vacuum deflects wire

VID Components



Blade Elevation



Controlled VID activity on linerboard machine

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