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.

### VID Systems

<table>
<thead>
<tr>
<th>Applications</th>
<th>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.</th>
</tr>
</thead>
</table>
| 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 |

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VID FORMING TECHNOLOGY

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

VID Components

- Inertial zone
- Counter flow zone
- Trail Blade
- VID Blade

Inertial Zone - Activity from wire deflection caused by velocity-induced vacuum pulling down

Blade Elevation

- Inertial zone
- VID Blade
- Next blade up: More activity
- Next blade down: Less activity

Blade elevation controls inertial activity and allows for various profiles to be applied on the same structure

Controlled VID activity on linerboard machine

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