Hood and Pocket Ventilation Systems
Sustained product quality, maximum productivity, best economy.
Hood and Pocket Ventilation Systems

There is a growing demand of consistent quality paper and the need of mill owners to operate at consistent capacities throughout the year.

Forbes Marshall has designed, supplied and successfully commissioned many paper machine hoods. We also have a range of hoods designed for lower capacity machines.

A hood not only provides a sustained environment for uniform drying through changing weather conditions, it also assists in improving the drying capacities of machines. At the same time, through well designed heat recovery systems, it enables lowering of steam consumption.

**Benefits**
- Consistent production through the year
- Reduced CD moisture variation
- Zero dripping
- Production improvement up to 5%
- Economy improvement from 8 to 12%
- Typical payback of 18 to 24 months

**Forbes Marshall Fully Closed Hoods and False Ceiling**
Easy installation, fully sealed, easy maintenance.
5-10 tons of evaporated water is discharged in the machine hall from the drying section alone. This causes a rise in humidity, which in turn impacts the life of shop structures and work environment. The hood discharges hot and humid air outside the shop helping maintain the shop floor environment. At the same time, large quantity of heat is extracted and reused before discharging to atmosphere.

To dissipate the discharged vapour, 3,50,000 to 7,00,00 kg of air would need to be ventilated every hour.

When the RH is high, a 5 °C drop in temperature results in 10% of this water to drip back. This impacts product quality and increases steam consumption. The hood has a false ceiling and hot zones built inside to ensure zero dripping.

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**Few Key Features**

- Auto controls for temperature profiling along machine length
- dew point control
- air temperature control
- zero level control
- Advanced sensing for filter choke
- Advance protection for fan failures and HRU
Forbes Marshall services include evaluation, design, engineering, supply and commissioning of hoods for new projects, existing machines, revamps and upgrades of existing machine hoods.

<table>
<thead>
<tr>
<th>Plant / Machine Name</th>
<th>Location</th>
<th>Speed (MPM)</th>
<th>Total Production</th>
</tr>
</thead>
<tbody>
<tr>
<td>Union Paper Mills</td>
<td>Dubai</td>
<td>450</td>
<td>350</td>
</tr>
<tr>
<td>International Paper, USA (APPM)</td>
<td>India</td>
<td>600</td>
<td>165</td>
</tr>
<tr>
<td>ITC</td>
<td>India</td>
<td>400</td>
<td>352</td>
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<tr>
<td>Loth Lorien</td>
<td>South Africa</td>
<td>350</td>
<td>200</td>
</tr>
<tr>
<td>Saigon Papers</td>
<td>Vietnam</td>
<td>900</td>
<td>400</td>
</tr>
<tr>
<td>The Vietnam Paper Corporation</td>
<td>Vietnam</td>
<td>650</td>
<td>216</td>
</tr>
<tr>
<td>E-Tap Paper Mill</td>
<td>Egypt</td>
<td>600</td>
<td>170</td>
</tr>
<tr>
<td>ABC Papers - False Ceiling</td>
<td>India</td>
<td>900</td>
<td>320</td>
</tr>
<tr>
<td>Yash Papers - Yankee Hood</td>
<td>India</td>
<td>450</td>
<td>60</td>
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