

# Paper/Converting

## Moisture & coat weight measurement

Having the precise moisture levels of paper products in converting operations, newsprint, tissue, and corrugated liner pulp has become a critical component during production. Paper can easily become either too wet or dry wasting manufacturers time and money.

With the help of industry partners and 30 years of knowledge, MoistTech has developed the *IR 3000* Moisture Sensor which is ideally suited to measure the moisture levels as well as water and solvent based coatings and coat weight thicknesses during the paper/converting process, improving manufactures product quality and increased productivity within substantial cost savings.



### *Installation....*

In the paper/converting process there are many locations throughout manufacturing that the sensor can be used. The location is often determined by the space availability and accessibility on the web/converting machinery as well as manufactures moisture control plan. Once installed, a manufacturer can continuously monitor the process and can control the moisture content, either manually or automatically.

### *Benefits....*

- improved product quality
- lower energy costs
- reduction of scrap
- increased productivity
- 100% product inspection
- less downtime
- non-contact instant moisture measurement



*MoistTech* is very experienced with the requirements in the paper/converting process. Our sensor calibrations, measurement wavelengths, algorithms and sensor optical requirements are pre-set at the factory. Typical moisture accuracy is about  $\pm 0.05\%$ , coating accuracy varies from 0.1 to 0.01 micron depending on coating type. Typical analog range is 0-10% moisture and up to as much as 40%, subject to application. The outputs can be adjusted to optimize PLC or recording requirements. For addition information or to discuss your application, please contact our headquarters.

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