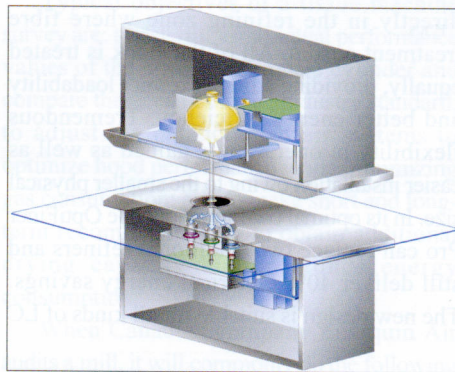


## ABB introduces IR moisture sensor

ABB has introduced its new High-Performance Infrared (HPIR) moisture sensor for QCS800xA Quality Control System (QCS). Intended as a replacement for the very popular HemiPlus moisture sensor, the HPIR is designed to improve the performance and reliability of both new and existing ABB QCS systems.



**ABB's new HPIR moisture sensor**

"With HPIR, papermakers can have more confidence in the precision of their moisture measurement," says ABB. "They can achieve tighter CD control, and faster start-ups and grade changes. Papermakers can shift their moisture targets closer to acceptable quality limits, saving energy and reducing fibre costs while remaining within the paper grade's quality specifications."

### Design simplicity

The increased precision comes from several technical breakthroughs in the design that significantly increase the signal-to-noise ratio and the measurement rate of the sensor. As a result, the sensor can resolve moisture streaks as narrow as 4 mm. With a measurement rate of 5000 per second, the sensor provides precision measurements, even as paper machines continue to become faster.

New levels of reliability are also achieved through design simplicity. HPIR does not require liquid cooling, and it is the only moisture sensor on the market with no continuously-moving parts, according to ABB. The modular design allows for easy field replacement of modules, avoiding factory repairs and eliminating the need to stock a complete spare sensor.

For more information, visit [www.abb.com/pulpandpaper](http://www.abb.com/pulpandpaper)