

WORLD'S LEADING PAPERMAKING MACHINERY MANUFACTURER EMPLOYS EXERGEN'S NON-CONTACT THERMAL SENSOR SOLUTION

**Papcel uses Exergen's IRt/c.5 Sensors and its Air purge to Increase operational Efficiency,
Ensure Optimal End-Product Quality**

WATERTOWN, Mass. and ZIJTAART the Netherlands, November 29, 2017 - Exergen Global, an award-winning thermal solutions provider, announced today that Papcel, a leading papermaking machinery manufacturer, is employing Exergen's non-contact infrared sensors in its Softcalender paper machine to ensure optimal operational efficiency and paper quality.

Papcel is using Exergen's non-contact IRt/c.5 sensors to maintain the temperature required to precisely control the paper drying process, and to do so at greater speeds, saving considerable energy and ensuring more reliable results and quality. Exergen's sensors are employed at multiple points in the operation to measure the temperature of the swimming roll that is rotating up to 400 rpms. The sensors signal air jets to open or close in order to cool the drum and keep it at 90°C (194°F).

Precise temperature measurement is critical in print production where overheating can damage the drum, sensors and other equipment, potentially costing thousands of dollars. Additionally, if substrates measure below or above very specific temperature ranges, then the end quality can be degraded. Since the field of view in the machinery is small and the papermaking environment is prone to be dusty, Papcel is also using Exergen's air purge, a device that cleans the sensor lens.

"Papcel is continually striving to provide the industry's best papermaking machinery, designed to produce optimal, reliable results while saving energy – all at a competitive price," said Mr. Jiri Neplech of Papcel. "Exergen's IRt/c.5 thermal sensors and air purge offer the dependability, precision and quality our customers demand, while delivering the cost-savings and energy efficiencies needed to meet our exacting standards."

"Exergen has a long and productive history working with Papcel," said Bart van Liempd, CEO of Exergen Global. "Through our partnership, we've been able to precisely identify their thermal management requirements and design the sensor and air purge solution ideally suited to meet their needs and the needs of their customers."

About Exergen's Non-Contact Sensors

Exergen holds more than 75 patents in the field of non-contact IR temperature sensors, and offers the industry's only self-powered IRt/cs. Its proprietary speed boost equation increases production speeds while maintaining optimal temperatures. Exergen's innovative family of infrared non-contact sensors have no drift, high repeatability and interchangeability, giving them the edge needed to increase production process speed and quality. Its sensors have mean-time-between-failure (MTBF) rates of a thousand years, deliver accuracy of within 0,01°C (0.02°F), have high repeatability, 0,0001°C (0.0002°F) resolution, and response times between 50 and 150 milliseconds.

About Papcel

Papcel is a Czech company with more than 65 years of tradition in manufacturing and deliveries of complete papermaking machinery for production of all the commercially available and used paper grades. The Group ranks among major worldwide suppliers of modern energy-saving solutions with an emphasis to meet all contemporary environment protection aspects.

Papcel has been active in the papermaking industry since 1950. The company owns manufacturing facilities in the Czech Republic and in Italy and has a network of specialists with many years of experience in the paper production and papermaking technology, who are involved in own research and development. Papcel is a sole exporter managing subsidiaries in Russia and India and more than twenty sales agencies worldwide. Papcel is an international company group with a strong tradition and respect for customers.

About Exergen and Exergen Global (now known as CleverIR):

Exergen Corporation, the global leader in industrial and medical non-invasive temperature technology, provides non-invasive temperature measurement devices providing lower cost, higher accuracy, less invasiveness, and greater reliability than ever previously possible. Exergen is well known for its award-winning temporal artery thermometer in the healthcare and consumer market. The company was founded by Harvard-research scientist Dr. Francesco Pompei who holds over 70 patents. Exergen Corporation is based in Watertown, Massachusetts, U.S. Exergen Global is the worldwide solutions provider of Exergen Corporation's industrial non-contact infrared temperature sensor solutions and the recipient of the 2015 Global Frost & Sullivan Entrepreneurial Company of the Year Award (<http://bit.ly/2pYfsy4>).

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