

## AWARD WINNING IRT/C SENSOR FROM EXERGEN INTEGRATED IN M&R'S FLAGSHIP CAYENNE D QUARTZ AND RED CHILI 1418 FLASH CURE UNITS

WATERTOWN, MA, and GLEN ELLYN, IL - July 15, 2014 - Exergen Global, today announced the integration of their customized IRT/c sensor solution into M&R's RED CHILI 1418, and their most sophisticated and versatile freestanding quartz flash cure system, the CAYENNE D. Both units manifest the latest innovations in screen printing equipment by providing significantly higher speed, without compromising quality of output. The latest specifications of both units required higher intensity radiant lamps and/or more densely packed lamps. This caused not only a restricted view of the T-shirt area from the sensor location above the lamps, but also overheated the body temperature of the sensor itself.

"We're always looking for ways to increase flash curing speed and quality in the most cost efficient way possible. That meant working with an innovative and industry-leading sensor vendor to find the sensor that met our requirements. That vendor was Exergen Global and the solution was the customized IRT/c sensor," said Bo Magda, VP of Engineering of M&R.

"Complex problems sometimes require simple solutions. The combined teams of R. Hoffmann, CEO of M&R and our team were able to tackle the problems in such a way, that we not only solved it pretty quickly but also very neatly. The result is a completely customized sensor that works like a charm," said Dr. Frank Pompei, CEO of Exergen Corporation. The sensors have been delivered to M&R and the first roll out of the RED CHILI and CAYENNE Flash Cure Units have started.

### Product information

The Exergen Micro IRT/c sensor lines are the most reliable IR sensors in the world with the highest performance and the following features: Self-powered, intrinsically safe, repeatability 0,01°C (0,02°F), resolution approx. 0,0003°C (0,0007°F) and very important an interchangeability of +/- 1%. One of the main reasons for the unique performance of the IR sensor is the custom designed and built thermopile based sensor. The new IRT/c Standard 4 Wire model including an embedded contact thermocouple has been used in the M&R design and both mechanical teams have found the right mechanical solution for both the CAYENNE D as the RED CHILI flash Cure units.

### About the CAYENNE D Quartz Flash Cure Unit

Cayenne D is M&R's most sophisticated and versatile freestanding quartz flash cure system. Its medium-wave sealed tungsten filament quartz lamps feature adjustable intensity, and its instant-on flash cure technology conserves energy by reverting to standby when the screen printing press is idle. The digitally-controlled curing lamps are divided into three flashing zones that can be operated independently or in any combination. Using fewer flash cure zones on small screen print areas reduces ambient heat, lowers energy costs, and leads to faster substrate cooling.

### About the RED CHILI D Quartz Flash Cure Unit RED CHILI 1418 [CG2]

The freestanding RED CHILI D quartz flash cure system uses medium-wave sealed tungsten filament quartz lamps, and it works with both automatic and manual screen printing presses. Instant-on flash cure technology conserves energy by reverting to standby status when the screen printing press is idle, and the curing lamps are divided into three flashing zones, which can be operated independently or in any combination. Using fewer flash cure zones on small screen print areas reduces ambient heat, lowers energy costs, and leads to faster substrate cooling.

**About M&R**

M&R is the world's largest manufacturer of screen printing equipment, with production facilities in Glen Ellyn & Niles, Illinois, USA, and in Wojnicz, Poland. With distributors and skilled technicians in over 40 countries on six continents, we're able to provide the finest service and support in the industry. For more information please visit: [www.mrprint.com](http://www.mrprint.com)

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

Exergen Corp, 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.

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