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PRODUCT NEWS

WORLD WORLD WORLD

REVOLUTIONARY GLASS LEVEL MEASUREMENT SYSTEM

MCR Systems, specialist in instrumentation, process control and factory automation design and implementation, introduces its new glass level measurement system, *E.A.G.I.E. - Enhanced Absolute Glass Level*. This tool, says the Italian company, makes it possible to monitor glass level variation using the optical reflection of a pointer that is not in direct contact with the melted surface.

Designed and patented by MCR Systems, *E.A.G.I.E.* is maintenance-free, self-calibrating, insensible to vibrations and does not require any specific knowledge or the help of any specialists for installation and start-up.

Making the best use of the latest technologies available today for optical measurements and artificial vision, *E.A.G.I.E.* can, according to MCR Systems, also boast an optional system for remote diagnostics to check efficiency and operation from a distant location. Contrary to traditional level detection devices, whether



they are based on sampling, laser, halogen or pneumatic techniques, dimensional measurements taken with *E.A.G.I.E.* has max precision, high repeatability and reading is updated 30 times per second. All without contact with the glass.

MCR Systems is part of **BDF Industries Group** formed by Vicenza-based **Bosco and Dalla Fontana S.p.A.**, one of the leading

manufacturing companies of hollow glass forming machines equipment and complete glass plants.

www.bdf.it

E.A.G.I.E. - TECHNICAL FEATURES

HARDWARE	steel fixed mark, air- or water-cooled, and a digital camera, industrially housed, installed two meters from the measuring point.
POWER SUPPLY AND OUTPUT	110Vac or 220Vac 4/20mA, for an existing Control System, and an Ethernet TCP/IP level measure output, all system parameters and start up information are displayed on a local 4" LCD monitor.
GLASS LEVEL MEASUREMENT	Special calculation algorithms, mediated by an advanced artificial vision system, allow the control unit to read the real glass level measurement with an absolute accuracy of 0,1mm.
OPTIONS	<ul style="list-style-type: none">- 15" TFT monitor for real time and historical trends or alpha numerical information.- PID algorithm and operator face plate for glass level control with direct output 4/20mA for batch charger.- Remote Service.

