

**BIOLUZ and Top Clean Packaging Group present  
their innovations at PHARMAPACK 2010!**

Paris, November 13, 2009. **At the 9<sup>th</sup> edition of Pharmapack, BIOLUZ and TOP CLEAN PACKAGING GROUP will showcase their new contract manufacturing services for pharmaceutical packaging.**

**BIOLUZ**

**New opportunities for the packaging of sensitive molecules**

New aseptic filling opportunities for flexible bags are in increasing demand world-wide. Bioluz, pharmaceutical laboratories, specialized in the filling of I.V. drugs in flexible bags, is the first independent Contract Manufacturing Organization (CMO) to offer this service in the EU. Bioluz designed a brand new, state of the art, high capacity aseptic filling line that is fully automated in order to reduce the risk of possible human contamination. Thanks to aseptic filling, Bioluz brings the standards of drug delivery in flexible bags up to the highest industry level. Moreover, this new equipment will widen the number of molecules Bioluz will now be able to propose in flexible bags. The company is now in a position to enter a new part of the market such as heat sensitive products, antibiotics, analgesics, solutions for cardiology, contrast media, deactivated biological products... This ambitious development will enable Bioluz to have a leading position for the filling of flexible bags in Europe, starting in early 2010.

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**TOP CLEAN PACKAGING GROUP**

**A single but global supplier for turnkey solutions**

At the Pharmapack 2010 show, Top Clean Packaging Group will put the focus its unique and wholly integrated range of services for the pharmaceutical field. The group comprise 5 companies established in France, the Netherlands and China, each of which is an expert in a specific plastic process. Cartolux-Thiers (ISO 13485, ISO 9001 and ISO 14001-certified) is an expert in ISO7 clean rooms thermoforming (blister, wedges, foams, protective caps, assembly cards, surgical kit packaging, handling trays and other technical parts). Located in China and ISO 9001 certified, Cartolux-Suzhou designs and manufactures various high-tech thermoformed products, in ISO7 clean room. Top Clean Silicone is specialised in liquid silicon rubber (LSR) injection moulding in a clean room environment. Processed materials range goes from standard to highly technical such as medical-grade silicon. ISO 13485 certified, Top Clean Injection has demonstrated its expertise in thermoplastics injection moulding and packing in ISO7 and ISO8 clean rooms. Top Recycling is specialised in plastics recycling and recovery, processing waste from French and foreign companies. On the strength of such complementarity, Top Clean Packaging offers to its customers the benefit of a global support, provided by a single supplier, including project design, implementation and follow-up. On every step in the process, designers and technicians are able to act on materials compatibility, on packaging reliability, and to work together to optimise solutions such as cost issues. The group also provides such services as process qualification according to IQ/OQ/PQ rules.

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*High definition pictures are available on request.*

Press contact : Sylviane Robinet

Press & PR Manager for Pharmapack and BIOMEDevice Europe

Email : [s.robinet@businesswise-com.fr](mailto:s.robinet@businesswise-com.fr)

Tel : + 33 1 77 62 88 12 / Mobile: + 33 6 08 03 86 11