



K FAIR PRESS RELEASE

## **The New Generation of Comexi Offset CI8 Introduces New Solutions for Flexible Packaging**

**At K Fair, the company will unveil the latest developments in offset central impression printing with new software automatization for faster and more precise colour matching**

**Düsseldorf, October 16th, 2019.-** Comexi, a global supplier of solutions for the flexible packaging printing and converting sector, launched for the first time ever a central impression offset solution for flexible packaging back in 2012. After seven years of development, the new generation of offset CI8 press has introduced new solutions for colour matching and colour stability, saving nearly 50% with respect to set up time and 40% regarding material waste.

The new iCIP3 software perfectly matches pre-press colour information with both CTP and press, creating a harmonized colour matching process. Furthermore, the SOP (Standard Operation Procedure) details the set up and usage of both iCIP3 and ink fountain control to reduce the sensitivity of the process operating skills.

As a result, the high level of colour management automatization renders a more standardized, simpler, and accurate colour matching process, leading to a fast, efficient, and consistent set up time and waste reduction.

### **The ultimate cost-effective short run solution**

As decreasing the average job length is a world-wide trend, the pre-press cost is increasingly becoming more important. For a 10.000 m<sup>2</sup> project, the pre-press cost can represent up to 80% of the total printing cost. A complete set of offset plates for less than 50€ exemplifies an astronomical cost reduction: 20 times less than other conventional printing technologies. Furthermore, the extremely fast in-house production of plates allows to be manufactured in under 20 minutes.

Unlike other technologies, the cost of ink per square meter is equivalent to conventional printing methods. A higher cost of EB offset ink per kilogram is compensated by a substantial reduction of the ink deposit per square meter. Additionally, as a result of the highly efficient EB curing process, power consumption is reduced by up to 50% in comparison with other printing solutions. Moreover, the extremely rapid robotized sleeve changeover enables an automatic 8-colour job change in 14 minutes without human intervention. Taking everything into consideration, the Comexi Offset Central Impression press is certainly the ultimate cost-effective solution for short runs.

### **The best environmental solution for flexible packaging**

Flexible packaging is at the centre of a necessary debate on waste management and a circular economy. Having been the most efficient and safe food packaging technology, there is important work to be done in regard to appropriately educating the society on waste disposal. On the other hand, once packaging is properly collected, it must be recycled. The reality is that most of today's flexible packaging is not.

Consequently, recyclability is quickly emerging as the cornerstone of packaging design, steering our industry to reducing the number of end product layers. A key application of the offset CI press is the substitution of reverse printed and laminated structures for frontal printing with an in-line high glossy anti-scratch coating. This is the most environmental-friendly and cost-effective way of transform flexible packaging into a recyclable solution, as demonstrated in the exclusion of PET from many of the triplex or simple laminates currently available. Please join us in Hall 4 Stand B33 to see some examples.

The Offset EB inks and coatings are 100% solvent free, assisting converters and brand owners to significantly reduce their carbon footprint, as well as avoid solvent retention and the risk of explosion. On the whole, the Comexi Offset CI press can be crowned as the best environmental solution for flexible packaging.

During the fair, visitors will have the opportunity to view how Comexi is adapting to the fourth industrial revolution, which is an opportunity to optimize production processes. The company has developed the Comexi Cloud, an innovative service platform that can assist customers with the improvement of their plant performance through the analysis of real-time production data, allowing them to build and develop smart factories. This online platform has completely changed the way printers and converters manage all types of processes due to its ability to visualize, compile, analyse, and store all data. Comexi Cloud is composed of different digital services linked to machines and the data these machines generate. Additionally, it allows for quick and easy integration, as well as data exchange with existing management software such as ERP, Plant Control Systems or Maintenance Management software.

About Comexi – [www.comexi.com](http://www.comexi.com)

Comexi, founded in 1954, has extensive experience in manufacturing equipment for the flexible packaging conversion industry. As a world leader, it operates five product lines, each specialized in a different conversion process: flexography printing, offset printing, laminating, slitting and digital services. Additionally, it has a Service and Technical Assistance Business Unit that offers service 24 hours a day, 7 days a week.

The company has two production plants: one in Riudellots de la Selva (Girona, Spain) and another one near the town of Montenegro, in the State of Rio Grande do Sul (Brazil). Besides, has two local offices in Miami (USA) and Moscow (Russia). Moreover, it has representation in more than 100 countries. This commercial network allows us to be close to our customers in order to give an optimal response to their needs.

Comexi includes the Manel Xifra Boada Technological Centre, Comexi CTec, where the company provides support and transfers its knowledge to the various groups involved in the flexible printing industry process.

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