

We make Digital Printed Electronics and Smart 3D Printing easier worldwide

Limoges, France – the 21st of April 2015

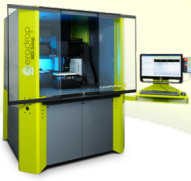






CERADROP, A MGI GROUP COMPANY WILL BE EXHIBITING AS THE PREMIER SPONSOR AT:



Visit us at Printed Electronics in Berlin, Germany
28th – 29th of April 2015 Booth A10

Discover our: CeraPrinter range from R&D to 24/7 manufacturing

CERADROP solutions feature:

-   **Modular-based scalable platform**
-  **Hybrid materials deposition technology (Inkjet, Aerosol Jet, ...)**
-  **In-line multi-curing technologies integrated**
-  **Exclusive innovative software suite**
-  **Up to 8 materials (8 printheads)**
-  **Automatic accurate printhead switching**







CeraPrinter X-Series

All-in-one Materials Deposition
Inkjet Printer dedicated
to Process Development

CeraPrinter F-Series

Modular-Based Materials Deposition
Platform Dedicated to Hybrid Process
Development

All CERADROP features on industrial scale:

-  **Multi-material**
-  **Multi-curing technologies: IR, NIR, UV, Photonic**
-  **High throughput: Several m²/min**
-  **Multi-substrate**
-  **Large format**
-  **Single pass**






Industrial Pilot Line

Flexible Inkjet Printing Solutions from R&D Pilot Line
to High Throughput 24/7 Manufacturing

Live Demonstrations:

See our state-of-the-art equipment at work:

-  One functional multi-material Live Demo will be run on our advanced R&D inkjet printer X-Series.
-  One new hybrid machine focused on a modular-based scalable concept will be launched and presented in details at our booth A10, mixing different materials deposition and post-process curing technologies.
-  One industrial Pilot Line will be printing on large format rigid and heavy glass substrates with high throughput.



To Book your Demo &/or Meeting



About CERADROP MGI Group:



The MGI Group is composed of MGI Digital Technology, headquartered in Fresnes, France, CERADROP, located in Limoges, France and KÖRA-PACKMAT, located in Villingendorf, Germany. Founded in 1982, MGI Digital Technology designs, manufactures and markets a full and innovative range of award-winning digital presses and a complete line of versatile finishing solutions.

CERADROP designs and markets Materials Deposition Digital Printers exclusively for Printed Electronics Industry and Smart 3D Printing. Thanks to its modular-based scalable concept, CeraPrinter Series models present new opportunities for feasibility study and launch of new products into the Printed Electronics market. Combining several materials deposition technologies as well as the latest generation of curing modules, this equipment line permits to reach a wide range of application fields such as: membrane switch, antennas, sensors, passive components, interconnection, flexible solar cells (OPV), OLED Displays and others.

As the subsidiary of MGI Group focused on Printed Electronics and Smart 3D Printing, CERADROP can call up more than 60 engineers specialized in inkjet engine, mechanics, automation, software, chemistry, and ink management to supply the best materials deposition digital printing solution from advanced R&D up to 24/7 high performance manufacturing including photonic curing and high throughput manufacturing capacity of several m²/min. Moreover, CERADROP is supported by the MGI Group network in 70 countries with 50 representatives. Achieving more than 60% of its turnover from export and providing a unique process support to its customers, CERADROP makes easier and more efficient use of Digital Printing technology for Printed Electronics and Smart 3D Printing worldwide.

Website: www.ceradrop.fr/en

About ARJOWIGGINS:



ARJOWIGGINS CREATIVE PAPERS is a leading manufacturer of fine and technical papers. Innovation, creativity and a profound desire to be eco-responsible guide us in our ongoing quest to find new ways of responding to diverse market needs. To this end, we developed PowerCoat®- a revolutionary paper for printed electronics. PowerCoat® addresses the cost, efficiency and sustainability concerns as well as the technical shortcomings of existing substrates used today in printed electronics.

100% paper, recyclable, biodegradable, excellent polymer-like smoothness, impressive printability, remarkable thermal and dimensional stability and reduced ink consumption are just some of the attributes of this award-winning substrate.

Website: www.powercoatpaper.com

About CTTC:



The French Center for Technology Transfers in Ceramics (CTTC) is an independent technological center working on ceramic materials and their processing. CTTC provides technological services to European companies; it intends to develop products and technologies dedicated to industry from different sectors including aerospace, energy, health, electronics...

CTTC was a pioneer in ceramic additive manufacturing (AM), working in this field since 1998. Seven AM technologies are now available in the CTTC's AM Platform, including 3D bulk ceramic technologies and direct printing technologies (inkjet or aerosol jet in collaboration with Ceradrop) for multimaterial component fabrication.

Website: <http://www.cttc.fr>

CERADROP, 32 rue de Soyouz, Parc d'ESTER, 87068 Limoges, FRANCE – +33 (0) 555 382 696
<http://www.ceradrop.fr> / n_bernardin@ceradrop.fr

About CANOE:



CANOE promotes the technology transfer and the development of industry supply chains (from raw material to finished product) integrating SMEs and large groups in the field of aeronautics, transport (automotive, yachting), renewable energy (photovoltaics, wind power, green chemistry)... Thanks to its innovative pilot lines, CANOE works on polymer and composite materials formulation, fiber melt and wet-spinning, fiber functionalization for composite and technical textiles, as well as in thin films, printed electronics, 3D printing and physico-chemical characterizations. CANOE is also helping SMEs and large groups in their

R&D, through BtoB actions or collaborative projects (French and European projects, FP7 or H2020).

Website: www.plateforme-canoe.com

About SEMILAB:



SEMILAB is a leading supplier of advanced metrology equipment for material and process control in the microelectronic, display, photovoltaic and printed electronics industries, for both R&D and manufacturing control. Measurement techniques provide complex optical and electrical characterization of a wide range

of materials and thin films in single or multi-layer structures. The measurement is performed using fast, non-contact, and non-destructive methods, such as Spectroscopic Ellipsometry and reflectometry, White light interferometry or sheet resistance using 4PP or fast non contact eddy current. Process control equipment can be implemented in-line in the production flow, offline with appropriate sampling, or even integrated into manufacturing equipment, such as inkjet printer or roll-to-roll coater.

Website: <http://www.semilab.com>