

CTTC installs CeraPrinter F-Serie – All-in-one State-of-the-art Digital Materials Deposition Platform

CERADROP, a **MGI Group company**, announces CeraPrinter F-Serie, All-in-One Hybrid Process Development system, placement at CTTC – Center for Technology Transfers in Ceramics in FRANCE.



“ In the framework of our collaboration and long term partnership with CTTC we are pleased to emphasize our CeraPrinter F-Serie installation at the premises of the famous Center for Technology Transfers in Ceramics. Having confirmed its technology transfer expertise in the field of advanced ceramics and associated manufacturing processes, forming a real link between laboratories and the industrial sector, nowadays, the CTTC is one of the most reliable centers for transforming the products from R&D to commercialization in the various fields. The machine has been particularly designed for Advanced Digital Process Development in Multidisciplinary fields and its Modular-Based scalable concept permits us to feature the system as a hybrid all-in-one tool with Inkjet and Aerosol Jet deposition

technologies, multi-curing options and in-situ characterization facilities embedded simultaneously. Regarding its latest key technologies joined in one tool and single user-friendly interface for all integrated options the F-Serie enables multi-team co-working just allowing to achieve successful results in advanced feasibility studies providing our customers with the possibility to address numerous business opportunities. ”

stated **Nicolas BERNARDIN, Deputy Managing Director at CERADROP.**



“ The choice of CeraPrinter F-Serie was obvious for us. For the first time we saw the machine at work during last Printed Electronics exhibition in Berlin. The printer was displayed in the manufacturing street running its functional demo. Its eye-catching design and performance couldn't leave us indifferent to this kind of device. After careful analysis of its technical features and future business opportunities for state-of-the-art feasibility studies definitely we decided to proceed for its acquisition. Taking the knowledge and results gained from fundamental research and transforming them into industrial products tailored to each company's specific needs we ordered particular configurations for our F-Serie with CERADROP Technical Team. In order to take up the challenge in complex feasibility studies required by our customers we equipped the jetting slots with multi-different printheads Inkjet and Aerosol Jet, IR post-process devices, and all of these is started up and driven fast by single interface for the user. In our opinion, this is the most optimal combination, moreover upgradable in the future, enabling us to address various applications in Electronics, Biomedical, Energy and environment, Telecommunication, Aerospace, Additive manufacturing and Ceramic materials. We are convinced, this kind of advanced equipment and high-level process support provided by supplier just enables us to achieve only best results ”

said **Dr. Gregory ETCHEGOYEN, Executive Director at CTTC.**



“ We strongly believe that providing such hybrid equipment for the research fields and markets will allow our customers to make a significant progress in the domain, address various applications and bring the efforts to new discoveries. ”
concluded **Nicolas BERNARDIN.**

Learn more about CERADROP Equipment range
at www.ceradrop.fr/en



ABOUT CERADROP, A MGI GROUP COMPANY

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 75% 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.



ABOUT CTTC

The French Center for Technology Transfers in Ceramics (CTTC) is an independent technological center working since 1984 on ceramic materials and their processing. It intends to develop advanced products and technologies for industry. The Center provides different technological services including private or collaborative R&D, trial, analysis and training for more than 100 European companies each year.

CTTC headquarter is located in Limoges France where it owns different platforms for its activities:

- a 1000m² platform for powder preparation, shaping and sintering of ceramics comprising numerous semi-industrial scale equipments for the development and prototyping of new products by injection, extrusion, pressing, spark plasma sintering ...
- a platform dedicated to Ceramic Additive Manufacturing. With seven technologies available, this platform is unique in Europe by coupling many 3D ceramic manufacturing technologies with inkjet printing or other direct printing processes for multimaterial component fabrication
- a modern laboratory for material and part analysis.

CTTC is a member of the European Ceramic Competitiveness Cluster, driving innovation through partnerships for successful outcomes.

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