



Hello,

Dedienne Multiplasturgy® Group, specialist in the design and manufacture of high performance plastic and composite technical parts, replacing metal parts, becomes **THE first French manufacturer to equip itself with the EOS P 810 laser sintering machine for EOS HT-23 material (based on Kepstan® PEKK, Extreme Polymer from Arkema, reinforced with Carbon Fibers).**

Dedienne Multiplasturgy Group® has always worked in a continuous stream of innovations. In this context, the Group is in the process of creating a complete "Atelier Dedienne 3D" for additive production-oriented manufacturing in small and medium-sized series. In April 2019, a first machine was put into service, allowing series in additive manufacturing based on Rilsan® Polyamide 11, high performance bio-based polymer, derived entirely from sustainable castor oil and manufactured by Arkema.

In October, the "Atelier Dedienne 3D" will host the EOS P 810 machine to produce EOS HT-23 parts, an EOS powder made from Kepstan® PEKK, the extreme polymer supplied by Arkema, reinforced with carbon fibers. EOS P 810 is the first laser sintering solution for mass production of demanding high temperature PEKK polymer functional parts.

Dedienne Multiplasturgy® Group is THE first French equipped manufacturer delivering functional parts and components internationally. With a construction volume of 700 x 380 x 380 mm, EOS P 810 allows fast and economical production of high-performance techno polymer parts directly from CAD data without the need for tooling. **EOS HT-23 parts offer high strength at low weight** and withstand temperatures well above 200°C. They can also be metallized to provide electrical continuity or serve as electromagnetic shielding, technologies that are mastered and implemented internally by **Dedienne Multiplasturgy® Group**.

This new technology is perfectly in line with Dedienne Multiplasturgy® Group's focus on providing solutions for lighter parts and metal substitution. It is the perfect solution to meet the demanding requirements of the aerospace and defense sectors in particular.

I remain at your disposal for any further information.

Best regards,
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About Dedienne Multiplasturgy® Group

Founded in 1947, Dedienne Multiplasturgy® Group is an international technological partner at the cutting edge of innovation which combines its Multiplasturgy® concept with the design and manufacturing of technical and decorative parts, as well as sub-sets, using high performance plastic materials and composites as a replacement for metal parts, from prototypes to the production of small, medium and large series.

Dedienne Multiplasturgy® Group has always been dedicated to making any complex project a reality: for the Group, "Innovation is our vital force".

The Group has four sites in France, including its head offices in St-Aubin-sur-Gaillon, one in Romania and one in the United States, with a total of 620 employees. In 2018, Dedienné Multiplasturgy® Group recorded turnover in the amount of €63 million.

www.dedienne.com

About EOS

EOS is the world's leading supplier of industrial 3D printing technologies based on metals and polymers. Founded in 1989, this independent company is a pioneer in creating innovative complete solutions for additive manufacturing. Thanks to its EOS systems, materials and process parameters, customers benefit from decisive competitive advantages, such as product quality and the long-term economic sustainability of their manufacturing processes. They also benefit from state-of-the-art technical expertise in general services, application engineering and consulting.

www.eos.info/en

About ARKEMA

A designer of materials and innovative solutions, Arkema shapes materials and creates new uses that accelerate customer performance. Our balanced business portfolio spans high-performance materials, industrial specialties and coating solutions. Our globally recognized brands are ranked among the leaders in the markets we serve. Reporting annual sales of €8.8 billion in 2018, we employ approximately 20,000 people worldwide and operate in close to 55 countries. We are committed to active engagement with all our stakeholders. Our research centers in North America, France and Asia concentrate on advances in bio-based products, new energies, water management, electronic solutions, lightweight materials and design, home efficiency and insulation.

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