



## 30 Years of EOS: Moving Ahead With Passion for Industrial 3D Printing

**As the world's leading technology and solutions supplier in the field of industrial 3D printing EOS is celebrating its 30th anniversary. Founded in 1989 by Dr. Hans J. Langer, the company now shapes the world of manufacturing with its innovative solutions. Initially used primarily for rapid prototyping, companies worldwide now leverage additive manufacturing increasingly to meet the needs of serial production. The EOS Ecosystem has meanwhile set the course for the future, enabling industry- and customer-specific 3D printing solutions which shape the digital factory.**

**Krailling, April 11, 2019** – With an installed base of nearly 3,500 industrial 3D printing systems, the German family-owned enterprise EOS is the world's leading supplier of systems for additive manufacturing (AM) solutions. Its path to success is characterized by a pioneering spirit, courage, and the strong motivation to improve people's lives through the use of the technology. When founding the company on April 24, 1989, Dr. Hans J. Langer had a clear vision: producing three-dimensional objects directly from CAD data using laser technology, for what was at the time, a new rapid prototyping market.

### **Balancing change and constancy**

While the early phase of the enterprise was still dominated by stereolithography technology, since 1997 EOS has concentrated exclusively on laser sintering. This was a far-reaching decision at that time and the right strategy, as it turned out. The powder-bed based process is particularly well suited to today's rapidly growing market of series applications. This is true both in terms of quality and reproducibility and the speed and cost of part production.

A further success factor was that EOS was able to offer AM systems for processing both polymers and metals from an early stage, as well as the materials, processes, and software tailored to suit these systems for optimal results. In order to support companies even further in the use of AM technology, EOS founded its consulting unit Additive Minds in 2015. With over 300 successful customer projects, the more than 100 Additive Minds experts are among the most successful AM consultants globally.

EOS now has a total of more than 1,200 employees worldwide, while the team around Dr. Langer originally consisted of just four people. EOS is family-owned



and independent, with a defined set of values that form the basis of its corporate culture.

### **Shaping the future of manufacturing**

The potential applications for 3D printing are practically unlimited as it is capable of producing flexible, light, and stable parts that only use as much raw material as needed to manufacture the product. EOS' technology and know-how are accordingly used in a variety of industries and areas of life: Whether fuel-saving components in the aviation sector, spare parts on demand for buses and trains, or prostheses individually created to suit each patient.

The increasing use of AM in serial production scenarios is accompanied by the necessity to integrate this technology in existing production environments. The goal is to achieve a highly flexible production that optimally combines industrial 3D printing and conventional manufacturing technologies in a digital factory – a development that EOS is actively advancing.

According to Dr. Adrian Keppler, CEO of EOS: “The establishment of complete digital production platforms is a major goal that we are aiming to achieve in the coming years. It’s not just about providing the right 3D printing solutions, but about evaluating, planning, setting-up, and optimizing AM production cells to leverage all the advantages and possibilities of digitalization.”

### **The EOS ecosystem**

As part of the EOS Ecosystem, EOS is ideally positioned for the future. Established and expanded over many years by Dr. Langer, the EOS Ecosystem is a multi-layered network of EOS investments, the company AM Ventures, and external partners, that supports promising start-ups. The cooperation between the various companies combines expertise to enable the implementation of customer-specific manufacturing solutions along the entire value chain – from the initial idea to design and engineering, production, post-processing, and ultimately the finished part. For example, one field of application with a great deal of potential is the aerospace industry to enable further innovation in rocket engines.

Even after 30 years, EOS remains true to its mission statement: *Shaping the future of manufacturing.*

EOS is the world’s leading technology supplier in the field of industrial 3D printing of metals and polymers. Formed in 1989, the independent company is pioneer and innovator for comprehensive solutions in additive manufacturing. Its product portfolio of EOS systems, materials, and process parameters gives customers crucial competitive advantages in terms of product quality and the long-term

economic sustainability of their manufacturing processes. Furthermore customers benefit from deep technical expertise in global service, applications engineering and consultancy.

**Image material:** [www.eos.info](http://www.eos.info)



In 1989, Dr. Hans J. Langer founded the company EOS – Electro Optical Systems (source: EOS).



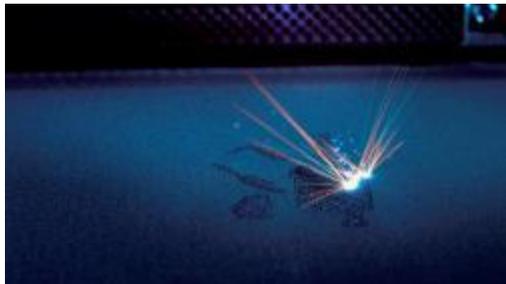
Today, EOS is the world's leading technology supplier in the field of industrial 3D printing of metals and polymers (source: EOS, photo: Marc Oeder).



Happy 30 EOS - Metal (source: EOS).



Happy 30 EOS - Poylmer (source: EOS).



As a technology pioneer, EOS has mastered the interaction between material and laser – the foundation for manufacturing reproducible high-quality parts (source: EOS).



The EOS headquarters in Krailing near Munich (source: EOS).

**Video material:** [www.youtube.com/EOSGmbH](https://www.youtube.com/EOSGmbH)



NextGenAM partner project: Automated 3D printing process cell put into operation by Premium AEROTEC, Daimler, and EOS. [https://www.youtube.com/watch?v=FknsXWSM\\_Nc](https://www.youtube.com/watch?v=FknsXWSM_Nc) (source: EOS)



Siemens, EOS, and Materials Solutions manufacture 3D-printed turbine blades.

[https://www.youtube.com/watch?v=cCO\\_NAVd9Qo](https://www.youtube.com/watch?v=cCO_NAVd9Qo)

(source: EOS)



Customers' voice: Hettich on working together with EOS.

<https://www.youtube.com/watch?v=dy9c3kRs23I>

(source: EOS)



EOS: Expertise in 3D printing with metals and polymers.

<https://www.youtube.com/watch?v=hhWgp94-qjo>

(source: EOS)

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