



GKN Powder Metallurgy Press Conference

Formnext

Thursday, 15 November

14:30 – 15:00pm CET

Hall 3.1/Stand E30

Speakers:

Guido Degen, President Additive Manufacturing, GKN Powder Metallurgy

Ümit Aydin, Global Business Development Director Additive Manufacturing, GKN Powder Metallurgy

Dr. Adrian Keppler, CEO, EOS GmbH Electro Optical Systems

Ryan Collins, Director of Engineering, Senior Flexonics

William Rixon, Sr. Design Engineer – New Product Development, Senior Flexonics

GKN Speaker Backgrounds:

Guido Degen, President Additive Manufacturing, GKN Powder Metallurgy



Guido Degen joined GKN Sinter Metals in 1996 as Product Development Engineer. In 2001 he was appointed Plant Manager Bonn and in 2005 he took on the dual role of Plant Manager Bonn and Oberhausen. In 2007 he was promoted to Operations Director and took responsibility for the Radevormwald Conventional & Forge plants. In 2008 he became Vice President Operations taking responsibility for Bonn, Filters and the Medium Segment and joined the Regional Management Team. In 2010 he was given additional responsibility for the India operations and supported the integration of the newly formed Europe & Asia Pacific region. In 2011 he took on the dual role of Regional Supply Chain Director and Vice President Operations. In 2013 he was appointed to VP Business Development and Strategic Planning, GKN Powder Metallurgy. In 2014, Guido Degen became Senior Vice President Business Development and Advanced Technology GKN Powder Metallurgy. In 2017 he was appointed to SVP Additive Manufacturing & Business Development. In 2018 he took the role of President Additive Manufacturing, GKN Powder Metallurgy. Since 2016, Guido Degen is Executive Council & Board Member at the European Powder Metallurgy Association (EPMA). Guido Degen holds a degree in Mechanical Engineering from the University of Cologne, Germany.

Ümit Aydın, Global Business Development Director Additive Manufacturing



Ümit Aydın started as a product & tool designer at GKN in 2002 and transitioned to the role of Technology Director Europe until mid-2016. He is committed to new technologies and therefore decided to bring the life-changing technology of metal additive manufacturing to the next level. In 2017 he became Global Business Development Director Additive Manufacturing. Ümit Aydın holds a diploma in Mechanical Engineering at the University of Duisburg, Germany.

Company Descriptions:

About GKN Powder Metallurgy

GKN Powder Metallurgy is your full metal shapes solutions provider, shaping powder metal into high performance and high precision components. We provide leading powder metal expertise and process experience to transform ideas into production. The company consists of GKN Hoeganaes, GKN Sinter Metals, and GKN Additive to provide powder materials, conventional components, and Additive Manufacturing production. We combine three focused businesses under one brand. Together we are over 7,400 problem solvers over 34 locations, setting our global engineering network at the highest standard.

About EOS

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.

About Senior Flexonics

Senior Flexonics is a company dedicated to innovation. We strive to listen to our customers, develop unique product solutions, meet commitments, and build strong customer relationships. Development of new and better products for Tier 4 applications and tighter emission standards globally will continue in Bartlett, IL. Our engineering center there supports development and validation of next generation bellows incorporating proprietary insulation approaches and patented design solutions to ensure long term reliability, as well as EGR Coolers and Diesel Fuel Systems. Our desire for operational excellence is derived from respect, trust and a continuous desire to improve. The addition of our facility in Saltillo will allow us to extend that goal to an additional location while providing our customers with the benefit of logistical savings and reduced inventory investment.

Today's Press Release:

GKN Powder Metallurgy announces a Technology Partnership with EOS To Industrialize Metal 3D Printing

Collaboration Slashes Part Production Time by 70 Percent Through Innovative Approach to Metal-based Additive Manufacturing (AM)

Frankfurt, Germany – November 15, 2018 - [GKN Powder Metallurgy](#), a company known for innovation and a leading materials and parts producer in the powder metal industry, today announced a strategic partnership with EOS, the world's leading technology supplier in the field of industrial 3D printing of metals and polymers. Together, the companies have designed a new, high-productivity process for Laser metal 3D Printing which has reduced production time by 70 percent and overall cost by up to 50 percent.

“We’re thinking differently about what’s possible in manufacturing; metal 3D printing and rapid prototyping have become a formidable part of our business,” said Peter Oberparleiter, CEO of GKN Powder Metallurgy. “This collaboration makes laser metal 3D printing a viable long-term solution for manufacturers across the board that require fast delivery turnaround and could benefit from the high degree of design freedom that comes with Laser 3D printing. Our customers will be able to produce higher quality parts faster than ever before, with absolutely no tooling.”

So far, additive manufacturing has been embraced by the automotive and industrial industries for rapid prototyping, but oftentimes, customers find the process cost prohibitive for producing parts at full-scale production. The combination of GKN’s innovative metal powder, EOS StainlessSteel 316L VPro, and EOS’s unique process and additive manufacturing expertise, make it possible to create a high-performance part designed for end-use at scale.

“In order to expand our foot print in the automotive industry, we were looking for a strong partner with a high level of expertise in the field of steels and typical industry grade materials combined with a proven track record of further industrializing technologies together with customer applications.” said Dr. Adrian Keppler, CEO at EOS. “We found a perfect partner in GKN Powder Metallurgy. Based on this partnership, our customers will benefit from higher build speeds and lower material costs resulting in significantly optimized cost per part. This is going to lower the entry barrier and will enable completely new application fields.”

For more information about this partnership, visit www.gknpm.com/Formnext.

Recent GKN Powder Metallurgy Strategic Partnerships:

GKN Powder Metallurgy Announces a Technology Partnership with EOS to Industrialize Metal 3D Printing

November 2018

At the 2018 Formnext Conference, GKN announced a strategic partnership with EOS, the world's leading technology supplier in the field of industrial 3D printing of metals and polymers. Together, the companies have designed a new, high-productivity process for Laser metal 3D Printing which has reduced production time by 70 percent and overall cost by up to 50 percent.

GKN Powder Metallurgy Joins Forces with PostNord AB to Revolutionize Logistics for 3D Printed Parts

November 2018

At the 2018 Formnext Conference, GKN formalized a partnership with PostNord AB, the leading supplier of communication and logistic solutions to, from and within the Nordic region. The partnership empowers global manufacturers to optimize their part supply chain with streamlined logistics that make it easy and fast to get parts where they need to go in the Nordic region.

GKN Powder Metallurgy Partners with HP and Volkswagen to Bring Metal 3D Printing to Mass Production

September 2018

At the 2018 International Manufacturing Technology Show (IMTS), GKN announced a strategic collaboration with HP Inc., and the first company to deploy the just-launched HP Metal Jet, a groundbreaking binder jetting technology, into its factories to produce functional metal parts for auto and industrial leaders, including Volkswagen and Wilo, and for companies around the world. Together with HP, GKN Powder Metallurgy is working toward a vision of driving the global industrialization of additive manufacturing.

GKN Enters Joint Venture with TLS Technik for Titanium Additive Manufacturing Powders

July 2016

In 2016, GKN Hoeganaes entered into a joint venture agreement with TLS Technik to manufacture titanium powders for additive manufacturing (AM) in North America. The German company TLS has 20 years of experience manufacturing titanium powder for the AM market and the new joint venture aims to increase the source of titanium metal powders for the aerospace and medical markets in the North America region.