



WORLD WIDE WEAVE

GKD: fit for alternative drive systems

Metal mesh as the key for vital challenges

GKD – Gebr. Kufferath AG (GKD) presented its decades of expertise in key areas of the automotive industry at the International Motor Show (IAA) in Frankfurt. Alongside exhaust gas recirculation, drive systems and shielding, the specialist visitors were interested in the innovative solutions for component protection and transmission systems. Now that IAA 2017 is over, GKD has every reason to be positive: the many good discussions and exciting new contacts offer promising starting points for future projects.

Metal and hybrid meshes from GKD are an established standard in many components and systems in the automotive industry. With its innovative, custom-designed mesh structures, the company is regarded as a partner of choice in the sector. Used as filters or for the protection of components the meshes set new, unparalleled standards in a wide range of applications. Alongside engine control, transmissions or valves, the high-performance meshes are also used for braking, oil, fuel and exhaust gas systems. This broad spectrum attracted a large number of visitors at the IAA. The center of attention was the three-dimensional Volumetric mesh, which as a control filter protects the turbocharger from mechanical damage through particles in low-pressure (LP) exhaust gas recirculation. Maximum particle retention coupled with minimum pressure loss make this mesh type more efficient than any other solution. That is why today virtually every automobile manufacturer places its trust in LP exhaust gas filters made of Volumetric mesh.



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Component protection

However, GKD was not only a sought-after partner for exhaust system manufacturers at the IAA: the topic of component protection also brought numerous visitors to the GKD stand. After all, when it comes to protecting valves from soiling, custom-designed mesh weaves from GKD offer reliable, long-lasting protection. The tailor-made mesh structures also guarantee sustainable component reliability in transmission filters.

Shielding

In addition, the specialist visitors at the GKD stand were very interested in shielding meshes for protection against electromagnetic radiation. Many years of experience in the production of metal meshes for batteries make GKD a proven expert in this area. Manufacturers of aircraft and consumer electronics all over the world rely on sophisticated shielding solutions with GKD mesh structures. Moreover, the company is working intensively on fuel cell developments in e-mobility solutions.

Alternative drive technology

This exceptionally broad and practical competence spectrum made GKD a sought-after partner for discussions regarding alternative drives. At the IAA these also included biofuels – a further field of application in which the company possesses extensive experience. The range of approaches and applications with metal mesh discussed at the IAA therefore brings Peter Wirtz, head of the Industrial Mesh division at GKD, to the conclusion: "The combustion engine has plenty of life in it yet. But there is a variety of promising drive technologies alongside it. Our custom-designed high-tech mesh can make an important contribution in all engine variants."

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GKD – WORLD WIDE WEAVE

The owner-run technical weaver GKD – Gebr. Kufferath AG is the global market leader for metal and plastic woven solutions as well as spiral fabrics. Four independent business divisions bundle their expertise under one roof: Industrial Mesh (woven metal mesh and filter solutions), Process Belts (belts made of mesh and spirals), Metalfabrics (façades, safety and interior design made of metal fabrics) and Mediamesh® (transparent media façades). With its headquarter in Germany and five other facilities in the US, South Africa, China, India and Chile – as well as its branches in France, Great Britain, Spain, Dubai, Qatar and worldwide representatives, GKD is close to markets anywhere in the world.

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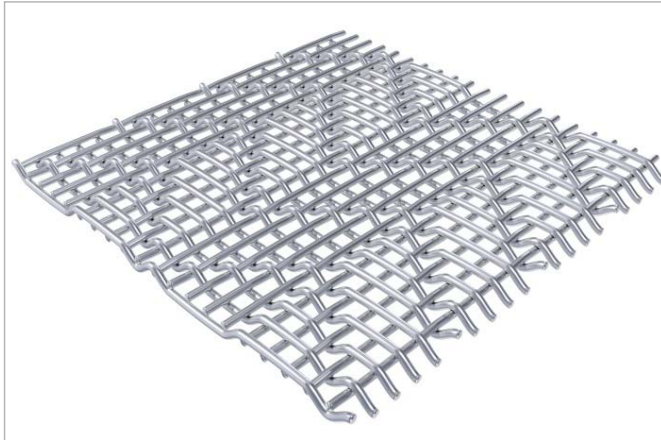
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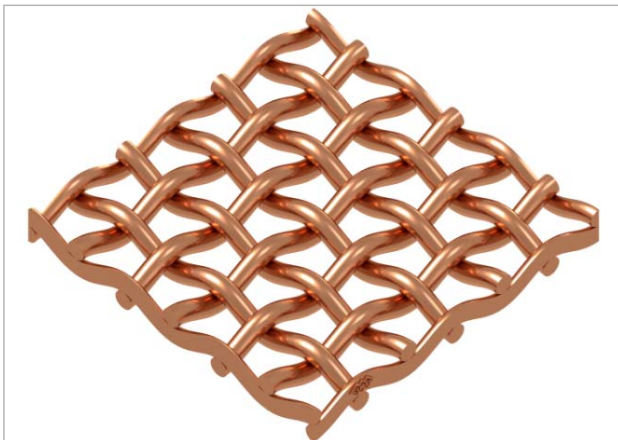


Picture 1: Specialist visitors at the IAA in Frankfurt showed particular interest in the three-dimensional Volumetric mesh from GKD: Maximum particle retention coupled with minimum pressure loss make this mesh type in low-pressure (LP) exhaust gas recirculation more efficient than any other solution.

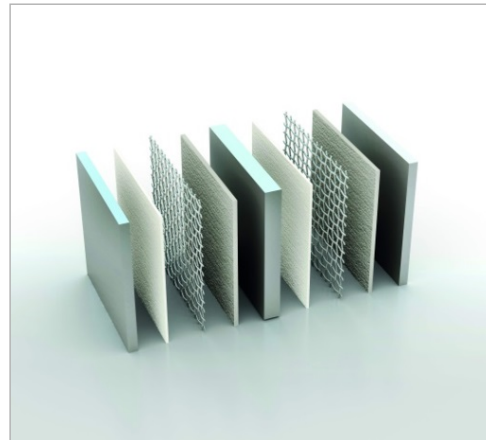


Picture 2: Volumetric mesh from GKD protects as a control filter the turbocharger from mechanical damage through particles in low-pressure (LP) exhaust gas recirculation.

Picture 1-4 © GKD



Picture 3: Visitors at the GKD stand were very interested in shielding meshes for protection against electromagnetic radiation.



Picture 4: GKD is working intensively on fuel cell developments in e-mobility solutions.

We will be happy to send you the desired images in printable resolution by e-mail.

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