

PRESS RELEASE

CGTPR003EN

JEC success for CG TEC with smooth-running and space-saving CFP drive shafts

Spalt, April 9, 2019 – [CG TEC](#), a leader in the development and production of composite solutions based on carbon, glass and basalt fibers, is striking an extremely positive balance of JEC World 2019. The company's exhibit focused on light-weight and space-saving drive shafts made of carbon fiber reinforced plastics (CFP). Numerous visitors also showed great interest in the rectangular carbon pipe fittings manufactured by partner company [Refitech](#).

“The demands on drive shafts continue to rise. Innovations are focused on maximum vibration damping and ever higher rotational speeds at unchanged or reduced mounting space”, says Kristian Most from CG TEC's Sales Team. “Our fiber based and lean CFP designs enable custom-fit drive and transportation shafts running at the highest speeds with optimum smoothness and minimized vibrations. The number of load cycles is significantly increased, and the shafts can also be used in chemically demanding environments. The advanced CFP composites can even extend the lifespan of cardan shafts in highly dynamic applications.”

The CFP shafts are manufactured using a prepreg winding technology, where carbon fiber mats impregnated with resin are wound around special mandrels. The finished pipes have a fiber volume content of approx. 55%. In most cases, the plastic matrix will be an epoxy resin, but CG TEC is also flexible to meet other customer preferences. Depending on the required strength and stiffness, the carbon fibers will be High Tensile (HT), High Modulus (HM) or Ultra-High Modulus (UHM) grades, if required in combination with other fiber types. Together with customers, CG TEC can develop individual solutions for most application cases from concept to market.

At CG TEC's [Carbonscout World](#), the company's webshop outlet in Spalt (Germany), interested professionals and clients are offered first-hand information about the technology, potential and benefits of composites. A broad portfolio of standardized carbon rod, pipe, sheet and woven products as well as Refitech's rectangular and round pipes are also available online at CG TEC's [Carbonscout Shop](#).

About CG TEC

CG TEC Carbon and Glasfasertechnik GmbH, based at Spalt near Nuremberg in Bavaria, Germany, was founded in 1996 and today has more than 50 employees. Its core business is the development,

production and sales of cable, rod, pipe and sheet products made with carbon, glass and basalt fibers. CG TEC's products are used wherever there is a need for light weight, high strength, corrosion resistance and durability. The company also specializes in individually customized cables using glass, basalt and carbon fibers. Visit www.cg-tec.de for further information.

Illustration material



Picture caption:

Drive and transportation shafts in custom-fit, space-saving and light-weight design using carbon fiber plastics enable maximum rotational speed at optimum smooth running and vibration damping characteristics. (Source: CG TEC)

Note to editors (not for publishing)

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