

## Press Statement

### **Environmentally friendly, lightweight construction concepts from the Neumayer Tekfor Group.**

CO2 reduced through weight reduction – innovative processes from Neumayer Tekfor boost climate protection and preserve the quality of life for generations.

Throughout the world, a sharp rise in automotive traffic is being recorded. Indeed, progressively heavier and more powerful vehicles are responsible for around 12% of total CO2 emissions in Europe. Yet simply reducing the weight of vehicles could easily reduce CO2 emissions. In response to this task, Neumayer Tekfor Group has developed a number of innovative solutions incorporating highly impressive lightweight constructions and performance capabilities. Quite simply, using our weight-reduced components in vehicles saves on fuel, in turn decreasing CO2 emissions and protecting the environment.

The Neumayer Tekfor Group draws on its state-of-the-art product and process technologies, outstanding development and application expertise and constant innovative strength to develop ready-to-install components and assembly groups. Our patented TEKMOUNT® joining technique, used in the assembly of high-strength materials, guarantees the specific high performance of our products despite their exceptionally lightweight construction.

All of our components are lighter than comparable products and, consequently, boast enhanced functionability. For instance, the special manufacturing process used for our hollow power transmission shaft reduces weight by around 30%, while our ENCAM® camshafts are up to 45% lighter than conventionally cast products. These are just a few examples of how Neumayer Tekfor is creating solutions for the future through constant product and process development.

The figures speak for themselves:

Imagine if each of the 18 million vehicles in Germany was to replace just a single part with a Neumayer Tekfor component. Based on a service life of 200,000 km per vehicle, the resulting weight reduction could decrease CO2 emissions by 540,000 tons. By contrast, achieving a comparable CO2 balance would require 45 million trees, with each consuming approximately 12 kg of CO2 per year – equivalent to an area of around 100,000 football pitches. Or to put another way, each vehicle fitted with just one Neumayer Tekfor component relieves the burden on approximately 3 trees. As is often the case, it is the little things that make a big overall impact.

This is our substantiation that CO2 reductions and vehicle appeal do not eliminate one another, but rather they belong together!

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*A global partner for the automotive industry, the Neumayer Tekfor Group is a market leader in the definition, development and production of pioneering solutions for transmissions, engines, driveline, special applications and safety fasteners.*

We are pioneering solutions



*Experience in application engineering and advanced process technologies within individual group companies provide the optimum basis for reducing the cost and weight of our range of product solutions, optimizing performance and operative reliability, and increasing safety at high torque or under dynamic load conditions.*

*Our longstanding expertise in development, precision forming, further processing, finishing and creative joining and assembly technologies produces innovative and competitive products and application solutions.*

*The 3,000-strong global workforce at Neumayer Tekfor generates sales exceeding EUR 630 million with the group's international automotive customers.*

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