

## **Press release**

# Date: 11.01.2022

**Innovative coating process for small parts**

*In a collaborative project, EJOT, WMV and Dörken have developed a technological innovation for the coating of fasteners and small parts with internal drives.*

At the EJOT site in Tambach-Dietharz a new coating technology was developed that enables a very even and thin coating structure for small fasteners, typically featuring internal drives such as TORX® or TORX PLUS®. Corrosion expert Dörken supplies the parts-specific coating material to EJOT and was also involved in the planning of the project. This also applies to the third company in the alliance: WMV, the globally-active manufacturer of surface coating plants.

**State-of-the-art technology**

The results of the approximately five years of work are impressive: Together, the companies identified an ideal, parts-specific coating and developed the world’s first machine capable of coating 120 kg material with a simultaneous position shifting at an acceleration of 32 g. The WMV **PULZ**® unit (a planet wheel, roller and coating centrifuge) – for which a patent is pending – is used to coat items such as small parts with hollow spaces as well as fasteners. Due to the high requirements on corrosion protection a zinc flake system from Dörken is used. Permanent rotation with **simultaneously** high acceleration level (32g) results in the even, process-safe and thin coating of the parts in the modern **PULZ**® unit. This also benefits the environment, as the optimised coating process results in a reduction in CO2 emissions of around 30% compared to previous processes.

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Further information as well as contact details can be found at [www.doerken.com](http://www.doerken.com), <https://www.ejot.com/coating-competence>, [www.wmv.com](http://www.wmv.com)



State-of-the-art technology sets new quality standards in zinc flake coating of small parts.