



## PressRelease

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### Precision mixed with mobile drive systems

#### **Baumüller is realizing mixing systems for foaming agents together with the fire truck manufacturer Rosenbauer**

The Austrian company Rosenbauer is the world's largest manufacturer of fire fighting technology and also has fire trucks in its product range. Rosenbauer offers the pressurized foam mixing system DIGIMATIC42 as an equipment option and it is electrically driven with a controller and motor from the Nuremberg-based drive and automatization manufacturer Baumüller.

#### **Fire fighting with foam**

Many fires cannot be fought with fire alone or there is only a limited amount of water available due to the lack of a central extinguishing water supply, such as the amount of water in the water tank incorporated on fire trucks when on the highways for example. These are two scenarios where it is necessary to add additives, such as foam, to the water in a certain ratio by using a pressurized foam mixing system in order to successfully extinguish a fire. During the mixing process, precision is required so that the resulting extinguishing foam can be used effectively and efficiently.

The Baumüller complete drive solution for the electrically driven mixing system DIGIMATIC42 consists, among other things, of a mobile controller of the b maXX mobile series and the disc motor DSM. Since 100% precision and reliability of the mixing machine is demanded for fire department deployments, Rosenbauer has chosen the mobile drive technology and electric motors of Baumüller.

Designed for four-quadrant operation, the b maXX mobil can brake in both directions and recover energy in addition to generating drive. For mobile use, the controller is vibration resistant and can be used in temperatures between -25 ° and + 65 ° Celsius. The three-phase current disc motor DSM has nearly no detent torque and among other ways impresses with its high level of performance with a small overall installed size and extremely short type of construction.

#### **The professional fire department of Nuremberg utilizes local expertise**

The professional fire department of Nuremberg recently switched to Rosenbauer fire trucks and is already using the first batch. The many years of expertise of the Nuremberg-based manufacturer of electric automatization and drive systems is therefore not only used internationally, but also directly and locally.



**Fig. 1:** The professional fire department of Nuremberg has switched to Rosenbauer fire trucks. Rosenbauer offers the pressurized foam mixing system DIGIMATIC42 as an equipment option and it is electrically driven with a controller and drive from the Nuremberg-based drive and automatization manufacturer Baumüller



**Fig. 2:** The Rosenbauer DIGIMATIC42 pressurized foam mixing system is electrically driven with a controller and motor from the Nuremberg-based drive and automatization manufacturer Baumüller



**Fig. 3:** The Baumüller complete drive solution for the electrically driven mixing system DIGIMATIC42 consists, among other things, of a mobile controller of the b maXX mobile series and the disc motor DSM



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**Baumüller** is one of the leading manufacturers of innovative automation and electric drive systems. At six manufacturing locations and over 40 subsidiaries spread all over the world, 1700 employees plan, develop, produce and install intelligent system solutions for mechanical engineering; from operation and visualization tools to Motion Control software as per PLCopen, from software modules to controllers, also including converters, electric drives and the whole service range for ready to use automation solutions.

The areas service, installations, fitting, and relocation add to the wide range of Baumüller's services. In the mechanical engineering industry, Baumüller is one of the leading partners for automation solutions worldwide.

**Press Contact:**

Stefanie Lauterbach

T: +49 (0) 911 5432 – 319

E: [stefanie.lauterbach@baumueller.de](mailto:stefanie.lauterbach@baumueller.de)

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