



**wevo**

# WEVO RESIN SOLUTIONS ENGINEERING



# WEVO SAFE- GUARDS INDUSTRIAL INNOVATIONS

Since industry entered the electronic age, many components have become smaller, more accurate and cheaper, but also more complex and sensitive. In addition, electronic components are often deployed in very harsh environments, such as engines and control devices. Wevo resins provide reliable protection in these environments and ensure unimpaired functionality.

Our tailored casting systems for industrial components are used in countless engineering applications in the consumer and commercial sectors. Wevo works – in every detail.

# WEVO WORKS — IN MACHINES



// LINEAR MOTOR

// FILTER

// CONNECTOR

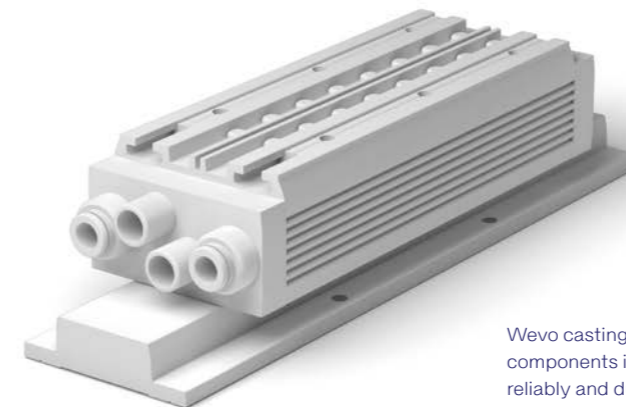
Windings in electrical components need not only electrical insulation but also mechanical reinforcement and protection against aggressive ambient conditions over a wide temperature range. Wevo casting resins provide protection against electrical shorts and arcing, eliminate leakage paths, dampen vibrations and reduce noise emissions. Their good thermal conductivity reduces component heating and increases component life. They are also UL approved, making them suitable for goods exported to the USA.

## LINEAR MOTOR

Linear drives are unsurpassed for moving large masses quickly in harsh environments. Suitable casting compounds are essential for wear-free force transfer, extremely high precision and compact dimensions. Wevo systems additionally ensure reliable operation through optimal motor heat removal.

## WEVO PRODUCT FEATURES

- Configurable from flexible to hard
- Flame-resistance compliance with UL 94 V-0, RTI rating, system approval
- Good resistance to environmental conditions
- Good insulation properties
- Good flow characteristics
- Good thermal shock characteristics / low cracking susceptibility
- High thermal resistivity
- High mechanical strength
- High thermal conductivity



Wevo casting resins protect components in linear motors reliably and durably.

# WEVO WORKS – IN INSTRUMENTATION AND CONTROL TECHNOLOGY

## FIELDBUS TECHNOLOGY

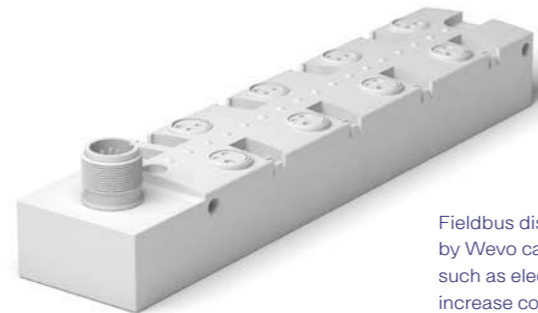
In a plant or similar system fieldbus is used to connect sensors, actuators and other devices to control units. These devices offer a high degree of reliability across a broad spectrum of applications, in part by minimizing the use of individual cabling. Wevo casting compounds reliably protect sensors against environmental factors, and in part against aggressive media.

## WEVO PRODUCT FEATURES

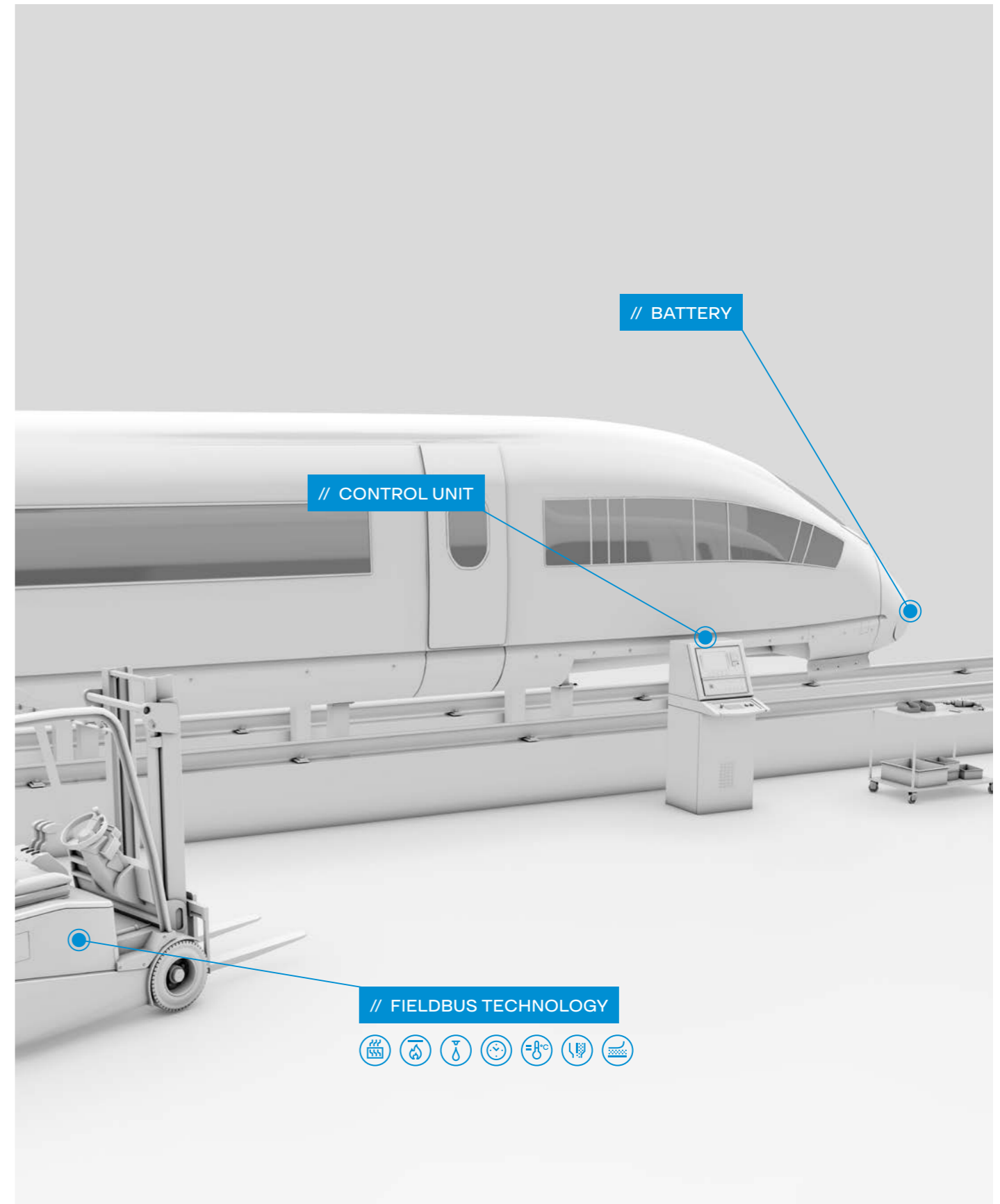
- Compliance with stringent industrial standards
- Good adhesion
- High thermal dimensional stability
- Resistant to hydrolysis
- Low dielectric constant
- Low moisture absorption
- Protection against foreign bodies
- Thermal resistivity
- UL approval
- Vibration resistance

High-precision electronic components are essential for instrumentation and control technology. Malfunctions caused by electromagnetic fields, vibration or other factors must be avoided. Fire protection is also vital because the main objective is to safeguard production facilities.

Wevo casting resins fulfil all these requirements and protect electronic components reliably and sustainably.



Fieldbus distributors are protected by Wevo casting resins against hazards such as electrical shorts and thus increase components service life.



# PRODUCT GROUPS

Wevo develops tailored polyurethane, epoxy and silicone casting and adhesive resins for electrical and electronic components in a wide range of industries.



## WEVOPUR

### VERSATILE POLYURETHANE SYSTEMS

Our Wevopur products feature flexibly adjustable reactivity and flow characteristics. Their good adhesion to a wide range of substrates guarantees reliable bonding and permanent protection of electronic components from aggressive ambient conditions. With a high thermal resistance of up to 165°C, flame-retardant properties in accordance with UL 94 V-0 and a wide range of mechanical properties, Wevopur systems are ideally suited for demanding applications in all areas. Adjustable thermal conductivity and, if required, high UV stability also enable use in various electronic and LED applications.



## WEVOPOX

### CUSTOMISABLE EPOXY SYSTEMS

Our Wevopox products are ideal for applications requiring high mechanical strength, good resistance to a wide variety of media and an operating temperature range up to 180°C. They have an exceptionally flexible properties profile, including UL 94 flame-resistance compliance and special adhesive properties. Epoxy resins offer distinct handling advantages and are highly resistant to external influences. They also have good impregnation characteristics thanks to their flexible application and curing conditions. Some of these systems can also be used in the food industry. Cycloaliphatic systems are additionally suitable for outdoor use.



## WEVOSIL

### HIGH-PERFORMANCE SILICONE SYSTEMS

Our Wevosil products are used in all applications requiring a wide operating temperature range and high elasticity. Along with high thermal conductivity, this makes Wevosil ideal for thermal management applications and targeted heat removal from modules. Some Wevosil products are flame resistant and have UL 94 approval. Their good adaptability for process and curing time makes a high degree of flexibility in production processes possible. Very good compressibility also makes them suitable for use in mechanically demanding applications.

Wevo develops tailored polyurethane, epoxy and silicone casting and adhesive resins for electrical and electronic components in a wide range of industries.

Our customized resin systems for electrical and electronic components have become indispensable in the automotive, energy, household and industrial sectors.

## INDUSTRY SOLUTIONS

Discover how your industry can profit from Wevo solutions.



### AUTOMOTIVE

#### WEVO MAKES PROGRESS TANGIBLE

The automotive industry is a major driver of technological progress. Modern vehicles are equipped with many technological innovations and additional functions, which is why they contain highly sensitive electronic components that need to be protected from heat, moisture, oil, chemicals, foreign particles and vibrations. Many international vehicle manufacturers and their suppliers rely on Wevo casting, bonding and sealing resins to perform these tasks.



### HOME

#### WEVO MAKES HOMES SAFER AND SMARTER

Household appliances, garden tools, LED light fixtures, basement meters – everywhere you look, electrical and electronic devices make our lives easier and more convenient. But to ensure smooth and safe operation they need protection from hazards like moisture or fire, and from improper use and counterfeiting. Wevo offers an extensive portfolio of casting, bonding and sealing products along with matching expertise to ensure everything in and about the home is safe.



### ENERGY

#### WEVO LETS THE ENERGY FLOW

Plants for generating, transporting and storing electricity from conventional and renewable resources are often exposed to harsh environmental conditions. Wevo casting compounds and adhesives protect and insulate electrical and electronic components, including transformers, chokes and capacitors, and ensure uniform heat removal from parts.

# UNCOMPROMISING QUALITY – MEETING THE CHALLENGES OF TODAY’S AND TOMORROW’S WORLD

Wevo is an independent family-owned company with an international presence. Founded in 1945, we have launched numerous widely used innovations in recent decades. We are specialists in casting, bonding and sealing.

Wevo stands for uncompromising quality and maximum safety. Our tailored casting resins for electrical and electronic components have become indispensable in the industrial, energy, household and automotive sectors.

With our custom products and services, continuous product development and regular transfer of know-how, we create tailored solutions to meet the challenges of today’s and tomorrow’s world.

# EXPERTISE

The basis of our success are our customized solutions, uncompromising quality and pace-setting innovations.



## SERVICE

We are proud of the fact that we can offer our customers service solutions tailored to their specific needs. Starting with customer-specific polyurethane, epoxy and silicone systems, our service offering also encompasses first-class technical advice as well as outstanding logistics. Customers in over 50 countries of the world value our expertise – and know that we either have an immediate solution at hand or will develop a customised product to meet their individual needs.



## INNOVATION

Innovation is at the heart of our tradition. For us, any idea that cannot be broadly implemented as a practical solution is not an innovation. That has been our guiding principle for decades. We apply sound know-how and new ideas to create solutions for the rapidly developing electrical and electronic market. And in this way we also support our customers in improving their own performance.



## QUALITY

Top performance and first-class products have always been our most important benchmark. We accept no compromises. The quality and reliability that have always characterised our company made our outstanding market position possible. We enjoy long-term business relationships with numerous international corporations and our partner companies come from a wide variety of industries, ranging from automotive and machine tools to solar energy.



## KNOW-HOW TRANSFER

At Wevo technical and chemical experience goes hand in hand with the know-how gained from practical applications. We cultivate a proactive transfer of know-how. We advise our customers individually and conduct annual seminars to instruct them on how best to use our casting systems. Over 1,500 customers have already participated in our training courses and seminars.



## WE ARE MUCH MORE THAN A SUPPLIER

From development to volume production – we offer customer support every step along the way.



## WE PIONEER PROGRESS

We are a proven partner in project-driven innovation with a decades-long track record.



## WE INITIATE INNOVATION

We develop new ideas for every area of electrical component bonding, casting and sealing.

The manner in which you use and the purpose to which you put and utilise our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information, in particular all technical data and assistance, is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorised and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No licence is implied or in fact granted under the claims of any patent.

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