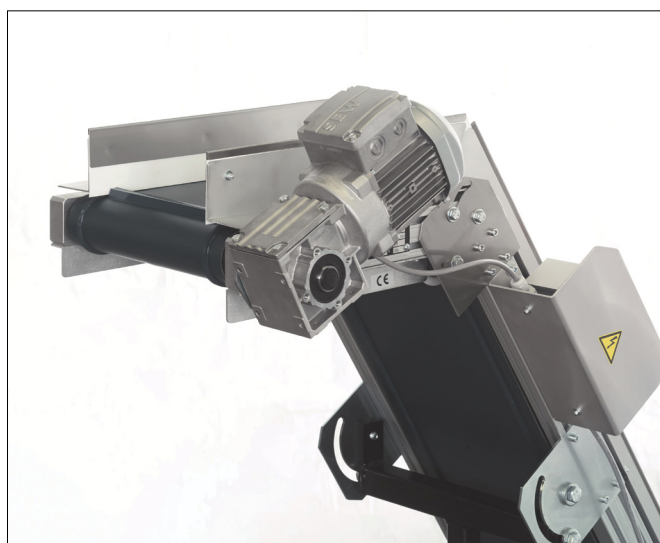


ECO2 design prioritises ecology, economy

Through environmentally friendly manufacturing, SEW-EURODRIVE's ECO2 drive unit designs are free of coatings and make responsible use of raw materials, while ensuring no compromise in their performance.



Left: Through environmentally friendly manufacturing, SEW-EURODRIVE has developed ECO2 drive design manufactured from uncoated aluminium. **Right:** ECO2 drives are ideally suited for horizontal or inclined conveyor solutions that operate in indoor spaces with a maximum humidity of 60%, where ambient temperatures can range between -20 and 60 °C.

Committed to environmental sustainability principles, SEW-EURODRIVE has developed the ECO2 design to offer drives with uncoated aluminium, with no compromise in their performance and durability.

"Our markets are increasingly demanding eco-friendly products, and we responded with our sustainable coating-free drives and a responsible use of raw materials," says Jonathan McKey, National Sales and Marketing Manager at SEW-EURODRIVE. "Our ECO2 design allows customers to select the specifications they need, while meeting their goals in terms of both ecology and economy."

No coatings or solvents are used on the outer surfaces of these drives, which also makes them more economical as a result of the cost efficient manufacture and assembly. The components can also be recycled more efficiently and sustainably at the end of their lifecycle.

McKey points out that the ECO2 option is suitable for applications where drives are operated in closed rooms, and where they are well protected from cold, heat and moisture.

"The metallic surfaces of ECO2 products are predominantly aluminium and are not prone to corrosion under normal ambient conditions, which makes them especially durable," he explains.

"In fact, aluminium reacts with oxygen to create a thin protective layer in a dry neutral environment to protect the outer metal surface from corrosion."

This makes drives in the ECO2 design efficient and reliable in indoor spaces with a maximum humidity of 60%, where ambient temperatures can range between -20 and 60 °C. Their durability of these drives is assured by meeting the requirements of ISO 12944 corrosivity category C1.

"Our manufacturing process for ECO2 drives is more energy-efficient as there is no need for the drying stages, and also no need

for recoating after repairs," he says. "With lower carbon dioxide emissions in production, there are fewer harmful greenhouse gases released thanks to having no coatings on these units."

Among the many applications of ECO2 drives are cleaning systems, conveyor belts and dispensing systems for powders and granules. McKey highlights that they are available in multiple designs and configurations.

"The available gear unit sizes include 07, 17 and 27 in helical gear units, 27 in parallel-shaft helical gear units, 19 and 29 in helical-bevel gear units, and a variety of SPIROPLAN® right angle gear unit sizes," he says.

"ECO2 drives are available with all additional electrical features, number of poles, power ratings, voltages and frequencies; the gear motors also hold all the relevant approvals and certifications," concludes Jonathan McKey.

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