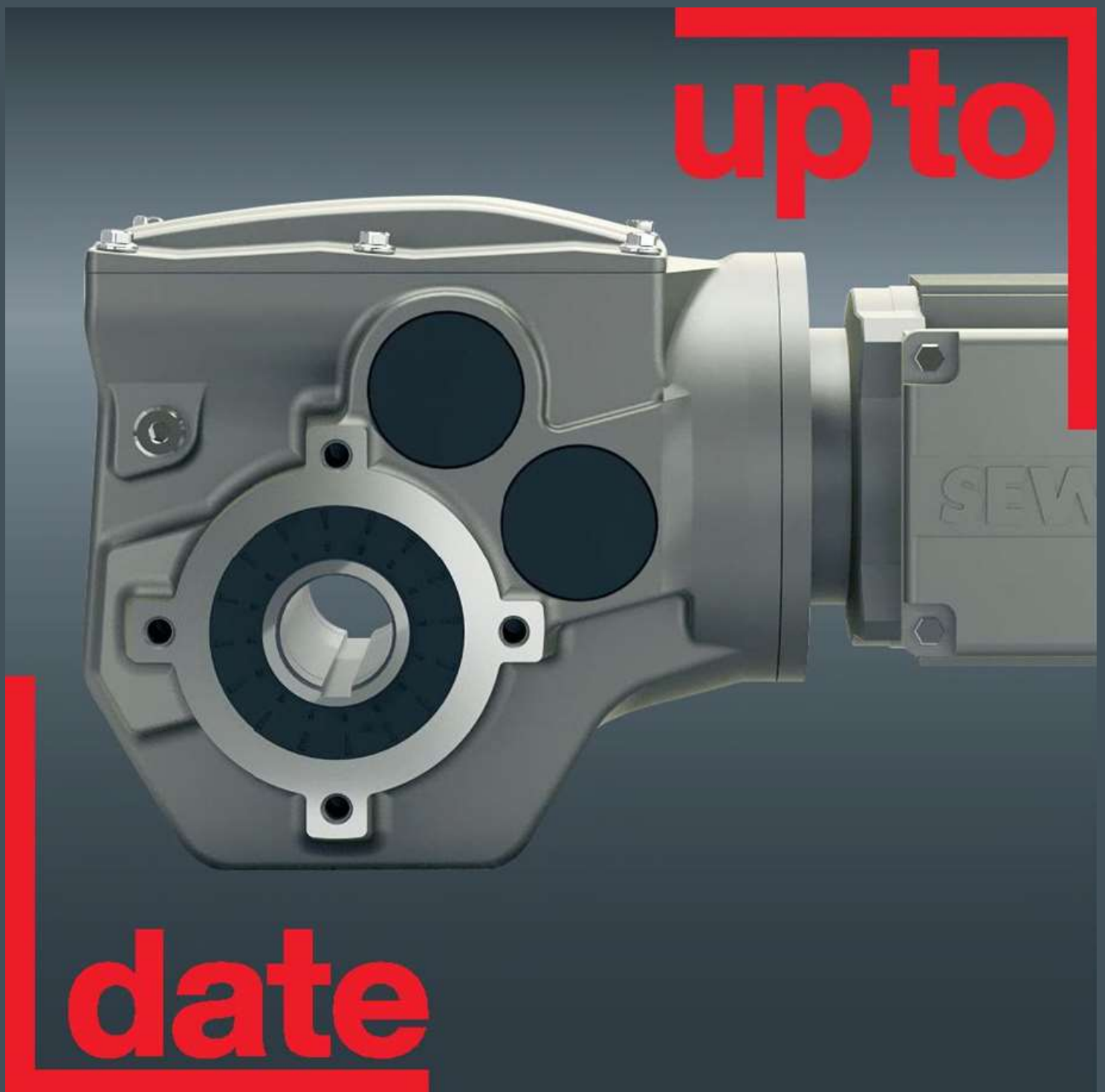


No compromises

Coating-free drives in the ECO2 design
ECOlogical and ECONomical

5/2024



No compromises when it comes to the environment

ECOlogical and ECONomical – drives in the ECO2 design

- Environmentally friendly manufacture
- Uncompromising performance and durability
- Cost-effective thanks to omission of the coating process
- Can be used in wide-ranging applications and numerous sectors of industry

The demand for eco-friendly products is growing. We have responded to this with our sustainable, coating-free drives and our responsible use of raw materials. Our high-performance ECO2 gearmotors made from uncoated aluminum are ECOlogical thanks to their environmentally friendly coating-free design (no coatings or solvents on outer

surfaces) and ECONomical as a result of their cost-efficient manufacture and assembly. What's more, components can be recycled more efficiently and sustainably at the end of their life cycle. All this is good for the environment and for your wallet.



The natural protective shield for gear units – for the environment and for you.

Do you operate your systems in closed rooms where they are well protected from cold, heat, and moisture? The metallic surfaces of ECO2 products are predominantly aluminum and are not prone to corrosion under normal ambient conditions, which makes them especially durable.

Aluminum reacts with oxygen to form a **thin protective layer**.

In a dry, neutral environment, aluminum and plastic are **well protected from corrosion**.

Drives in the ECO2 design: Efficient and reliable

- In indoor spaces with a maximum humidity of 60%
- At temperatures of -20 °C up to a maximum of +60 °C
- The ECO2 design meets the requirements of ISO 12944 corrosivity category C1.





Saving energy
by avoiding drying stages



No need for re-coating
after repairs



Lower CO₂ emissions
in production



Re-use
uncoated parts



Fewer harmful emissions
thanks to omission of coatings

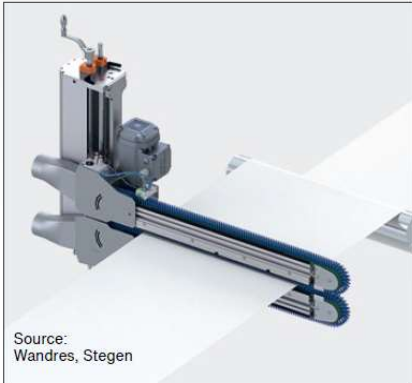


Fewer harmful substances
when recycling the drives



100%
coating-free
outer surfaces

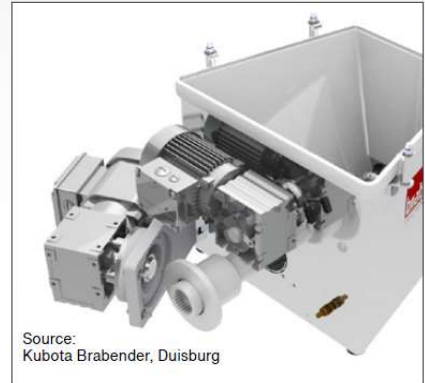
ECO2 design for multiple applications



Cleaning systems
with one or more circulating brushes
for dry cleaning of smooth surfaces



Conveyor belts
for horizontal or inclined conveying



Precise dispensing
of powders and granules, with an
exchangeable screw conveyor for
versatility

Designs and configurations



Available gear unit sizes

- Helical gear unit: 07, 17, and 27
- Parallel-shaft helical gear unit: 27
- Helical-bevel gear unit: 19 and 29
- SPIROPLAN® right-angle gear unit: 10, 20, and 30
plus 19, 29, 39, 49, and 59

The ECO2 design is available for all housing and shaft variants.



Available motor types

- DR2S.. and DRN.. series
- Sizes 56 till 90

ECO2 drives are available with all additional electrical features, numbers of poles, power ratings, voltages, and frequencies. The gearmotors hold all relevant approvals and certifications.



Recommended lubricant: GearFluid by SEW-EURODRIVE,
manufactured from sustainable biomass.



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