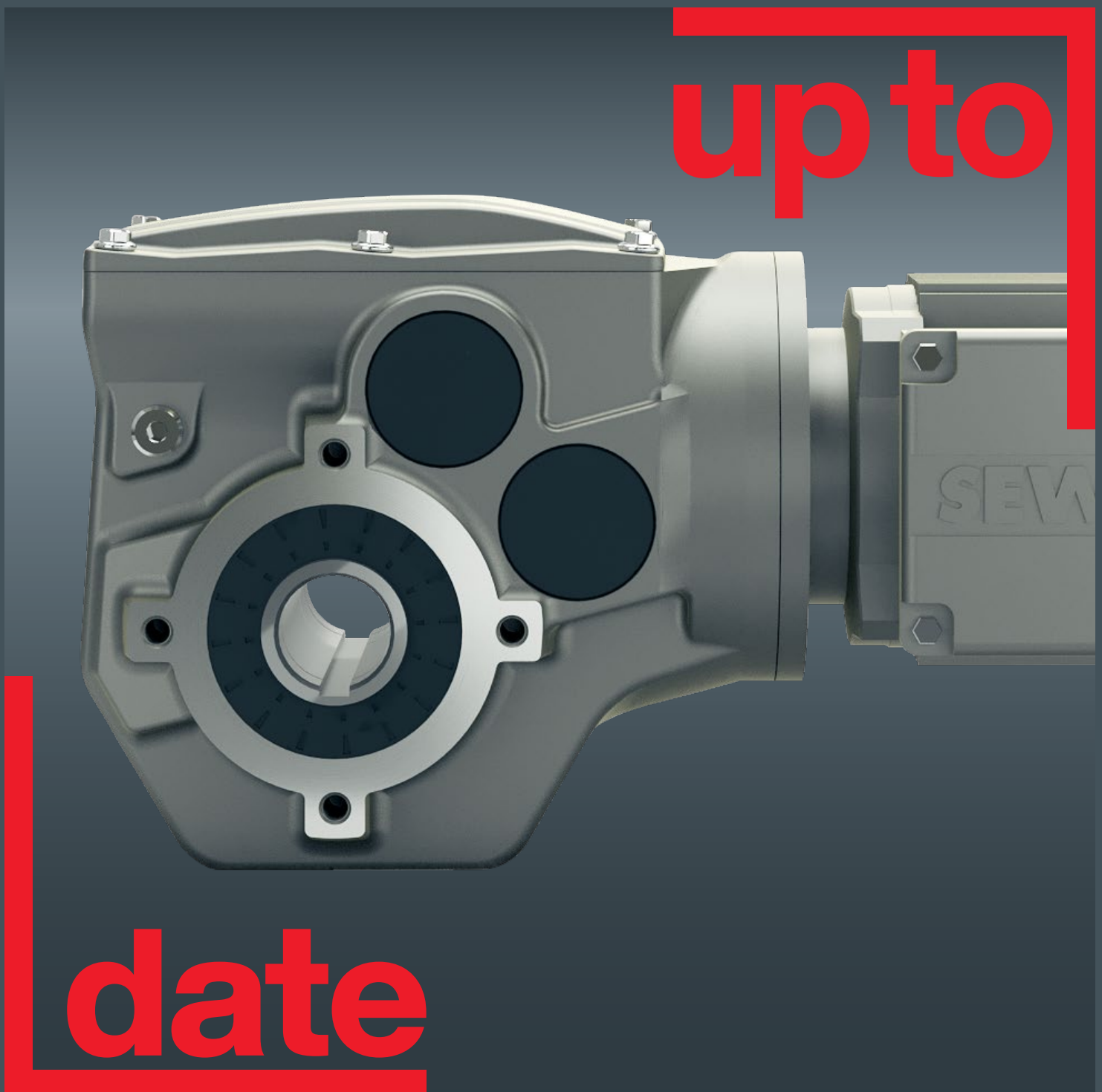


# No compromises

Coating-free drives in the ECO2 design  
**ECOLOGICAL and ECONOMICAL**

→ 4/2023



**up to**

**date**

---

# 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.

# up to

---

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 CO<sub>2</sub> emissions**  
in production



**Re-use**  
uncoated parts



**Fewer harmful emissions**  
thanks to omission of coatings



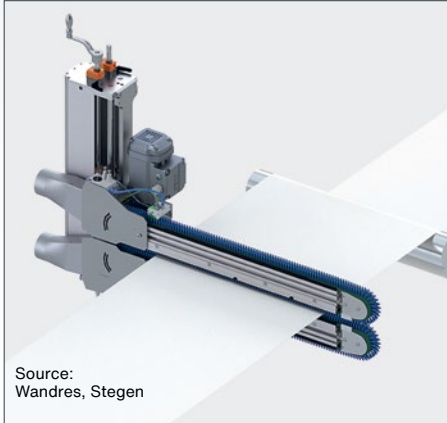
**Fewer harmful substances**  
when recycling the drives



**100%**  
**coating-free**  
outer surfaces

---

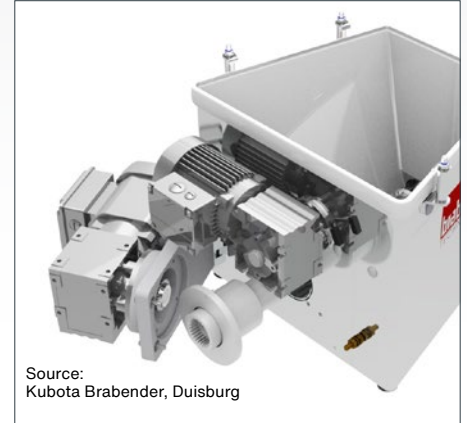
## ECO2 design for multiple applications



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



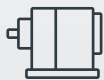
**Conveyor belts**  
for horizontal or inclined conveying



**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.



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



---

### Available motor types

- DR2S.. and DRN.. series
- Sizes 56 and 63

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.



**SEW**  
**EURODRIVE**

**SEW-EURODRIVE GmbH & Co KG**

Ernst-Blickle-Str. 42

76646 Bruchsal/Germany

T +49 7251 75-0

F +49 7251 75-1970

sew@sew-eurodrive.com

[www.sew-eurodrive.com](http://www.sew-eurodrive.com)