

Your benefit in Cement Industry



Company profile

Innovative achievements have made RINGSPANN a leading manufacturer for Clutches, Couplings and Brakes. Many well-known companies from the machine building, the material handling, the energy as well as the aerospace industries successfully work with RINGSPANN. With more than 80 years' experience in development, design and manufacturing, we are experts in intelligent technical solutions.

From our headquarters in Bad Homburg, Germany, more than 550 employees in 22 international companies provide personal service onsite and ensure speedy and reliable delivery. Manufacturing plants in the most important regions of the world make flexible and customer-oriented production possible.

Customer service is close to our heart; we want you to continue to choose RINGSPANN.

Headquarters

Bad Homburg, Germany

Founded

1944

Subsidiaries

22

Manufacturing plants

11

Employees

> 550

Customers

> 7,500 a year

Product lines

- Freewheels
- Brakes
- Shaft-Hub-Connections
- Heavy-duty Couplings
- Industrial Couplings
- Precision Couplings
- Precision Clamping Fixtures
- Remote Control Systems



RINGSPANN GmbH, Germany
Headquarters and
Plant Freewheels



RINGSPANN GmbH, Germany
Plant Brakes, Couplings,
Clamping Fixtures and
Shaft-Hub-Connections



RINGSPANN Kempf GmbH,
Germany
Plant Cardan Shafts



RINGSPANN StS GmbH,
Germany
Plant Precision Couplings



RINGSPANN RCS GmbH,
Germany
Plant Remote Control Systems



RINGSPANN Benelux B.V.,
Netherlands



RINGSPANN (U.K.) LTD.,
Great Britain



RINGSPANN France S.A.,
France



RINGSPANN CORPORATION,
USA



RINGSPANN do Brasil Ltda.,
Brazil



RINGSPANN South Africa (Pty) Ltd.,
South Africa



RINGSPANN Power Transmission
India Pvt. Ltd., India



RINGSPANN Austria GmbH,
Austria



RINGSPANN Bosanska Krupa
d.o.o., Bosnia and Herzegovina



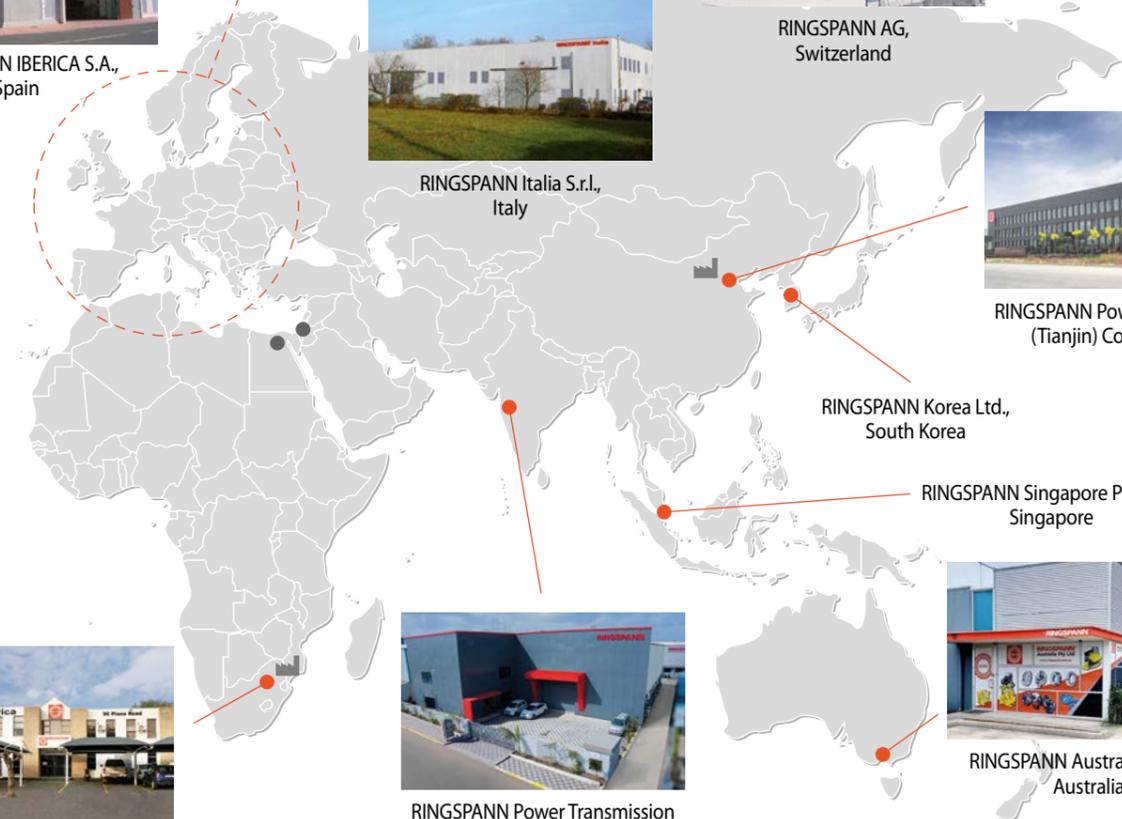
RINGSPANN AG,
Switzerland



RINGSPANN Italia S.r.l.,
Italy



RINGSPANN IBERICA S.A.,
Spain



RINGSPANN Nordic AB,
Sweden

RINGSPANN Turkey Tic. Ltd. Şti.,
Turkey



RINGSPANN Power Transmission
(Tianjin) Co., Ltd., China

RINGSPANN Korea Ltd.,
South Korea

RINGSPANN Singapore Pte. Ltd.,
Singapore



RINGSPANN Australia Pty Ltd.,
Australia

Key

- Sales company
- Manufacturing plant
- Sales partner



1 Quarry and Crusher

Raw material (e.g. limestone, marl) is mined and coarsely crushed into a gravel mixture.

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2 Blending Bed and Raw Mill

Gravel mixture is ground into raw meal and then dried.

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3 Cyclone Preheater and Ventilation System

Raw meal is heated by cyclone preheaters. The CO₂ expelled during this process is removed by fans.

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4 Rotary Kiln

Raw meal is burned at high temperatures to cement clinker.

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5 Cement Mill

Burnt cement clinker is ground into cement and mixed with other materials depending on the type of cement.

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6 Bucket Elevator

Conveyor for the vertical transport of cement to the filling plant.

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Quarry



High Speed Backstops
to prevent reverse motion of conveyor belts



Pin and Bush Couplings
for elastic connection of machine shafts



Friction Torque Limiters
to protect the drive train from overload while torque continues to be applied



Shrink Discs
to connect hollow gearbox shafts to conveyor belt drum shafts



Low Speed Backstops
to prevent reverse motion of conveyor belts



Drum Brakes
for braking and holding of conveyor belts



Cone Clamping Elements
to connect shafts to conveyor belt drums



Crusher



High Speed Backstops
to prevent reverse motion of conveyor belts



Shrink Discs
to connect hollow gearbox shafts to conveyor belt drum shafts



Pin and Bush Couplings with Brake Disc
for elastic connection of machine shafts



Disc Brakes
for braking and holding of conveyor belts



Raw Mill



Blending Bed



High Speed Backstops
to prevent reverse motion of conveyor belts



Gear Couplings
for torsionally rigid connection of machine shafts



Cardan Shafts
for torsionally rigid connection of machine shafts



Cyclone Preheater



Gear Couplings
for torsionally rigid
connection of machine shafts



Cone Clamping Elements
to connect shafts to conveyor
belt drums



Overrunning Clutches
in multi-engine drives



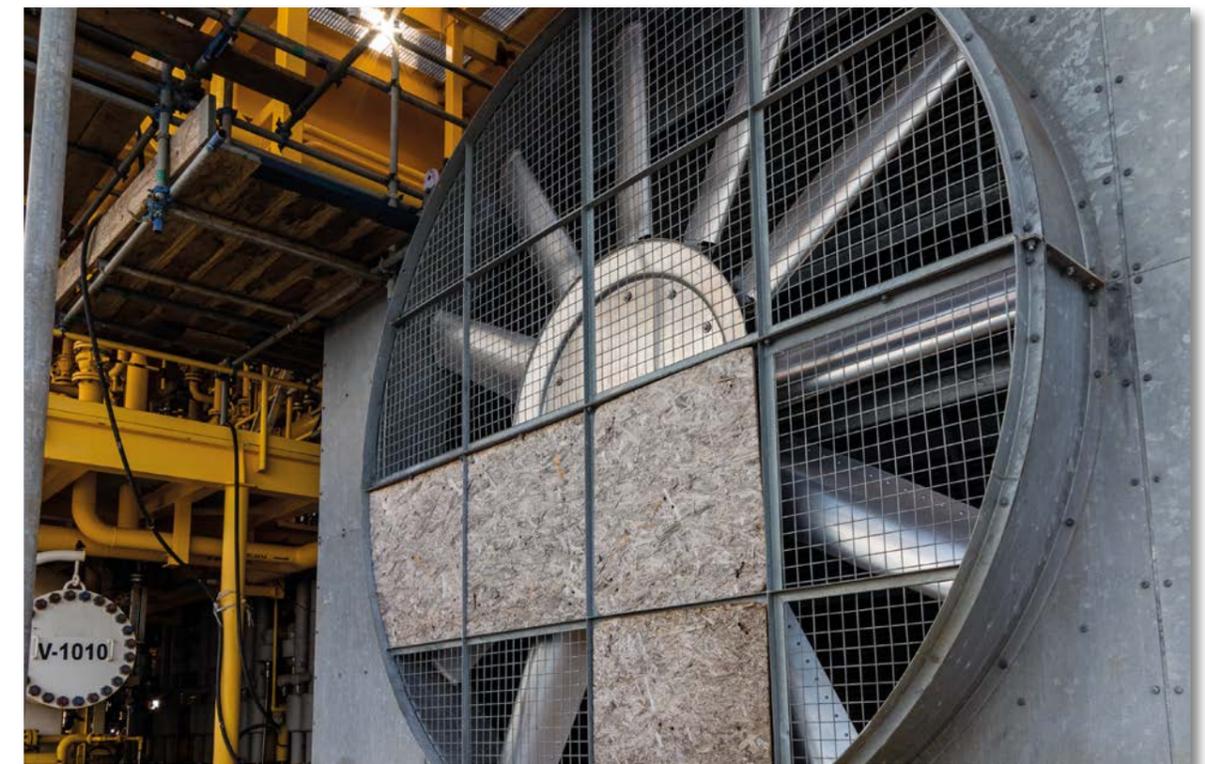
Housing Freewheels
as overrunning clutches in
multi-engine drives



Disc Couplings
for axial misalignment compensation
for connecting housing freewheels



Disc Brakes
as an emergency and
parking brake



Ventilation System



Pin and Bush Couplings with Brake Drum

for elastic connection of machine shafts

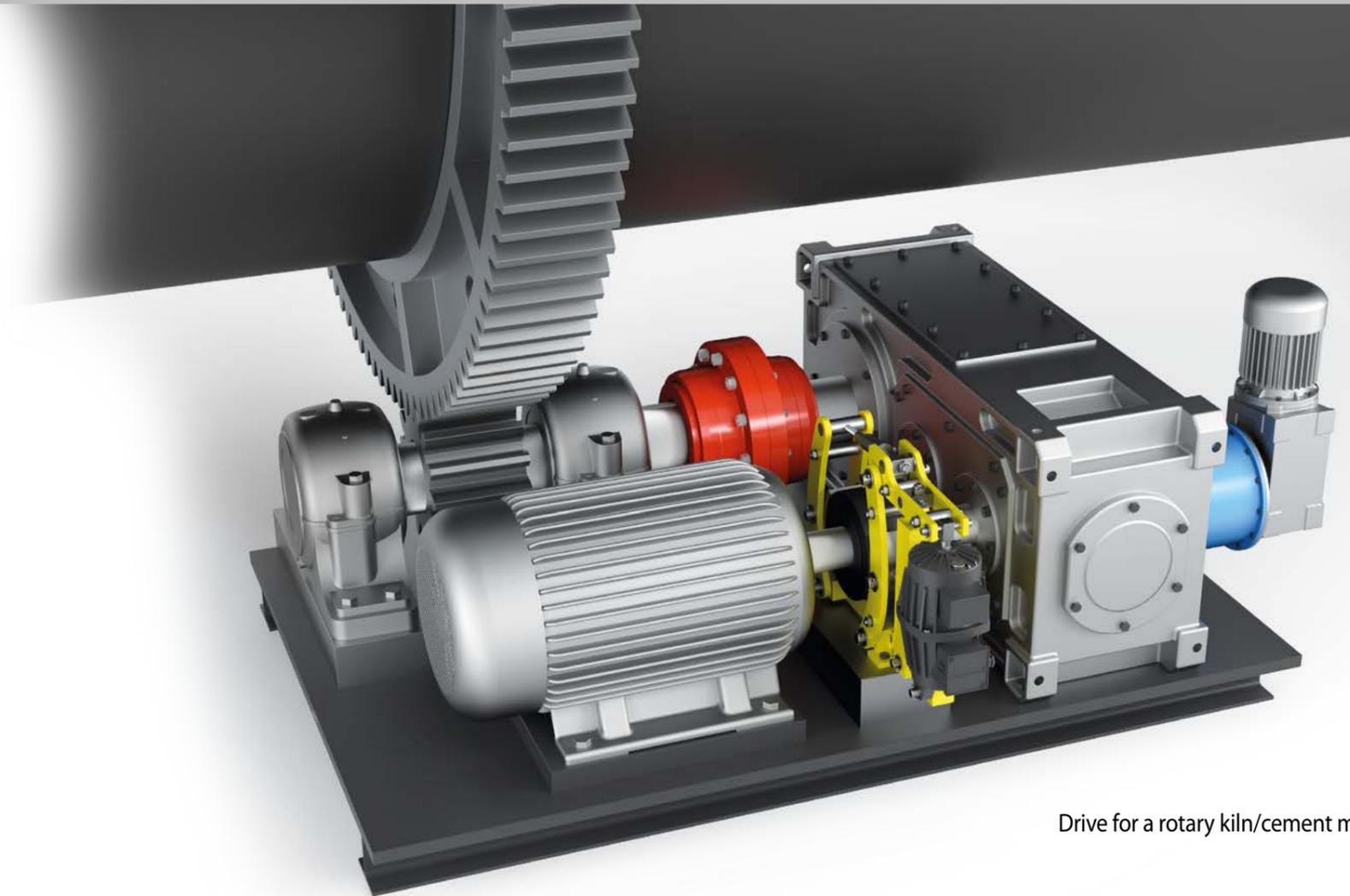


Drum Brakes

for braking and holding the rotary kiln



Rotary Kiln



Drive for a rotary kiln/cement mill



Gear Couplings

for torsionally rigid connection of output shaft with pinion shaft



Freewheels as Overrunning Clutches

in the auxiliary drive motor

1 Shrink Discs

to connect hollow gearbox shafts with solid bucket elevator shafts



2 High Speed Backstops

to prevent reverse motion of bucket elevators



3 Freewheels as Overrunning Clutches

to automatically engage and disengage main drives and auxiliary drives

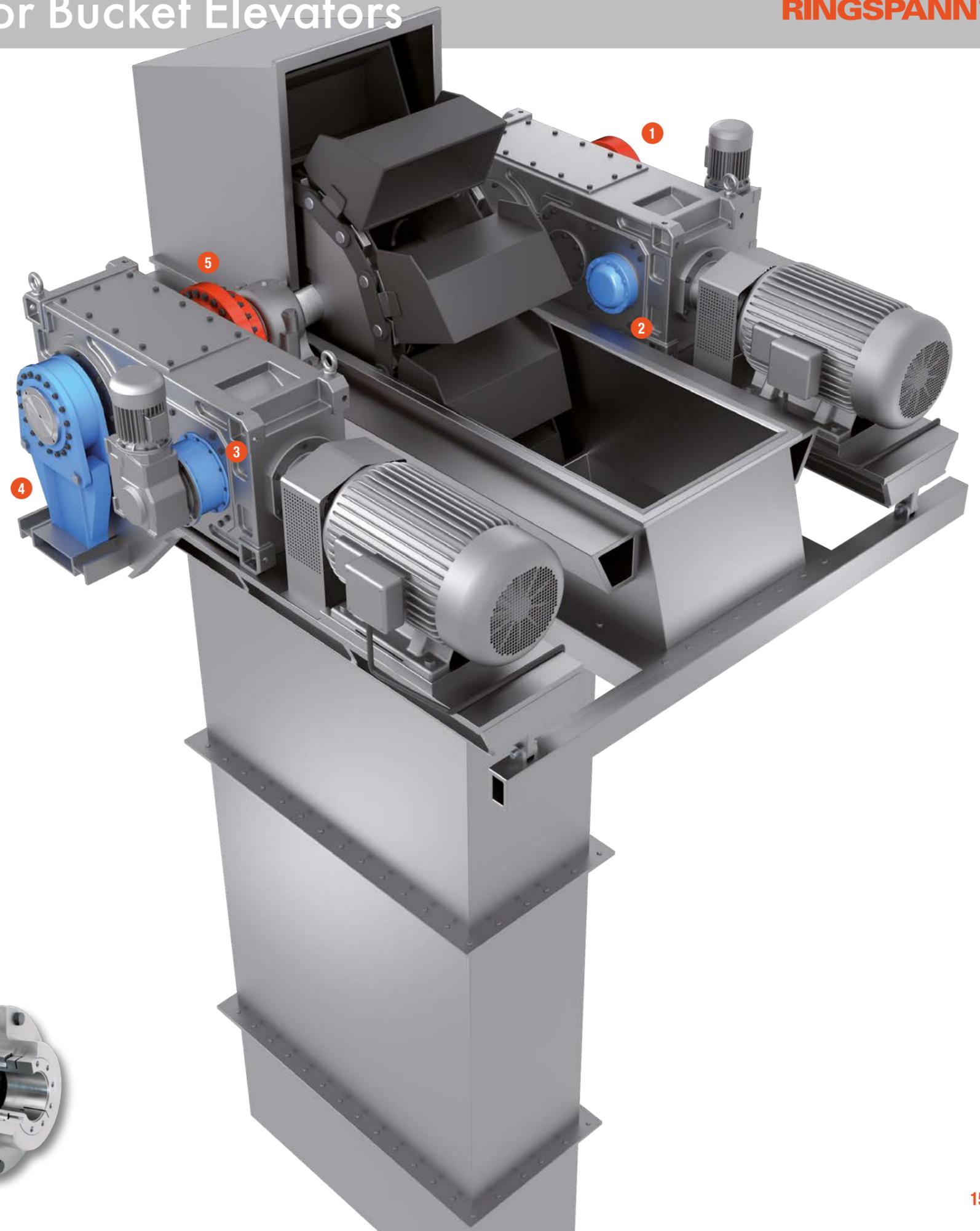
4 Low Speed Backstops

to prevent reverse motion of bucket elevators



5 Tru-Line Flange-Couplings

to connect solid gearbox shafts with bucket elevator shafts



RINGSPANN®

Your benefit is our motivation

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