

Solutions for Construction Industry

Construction



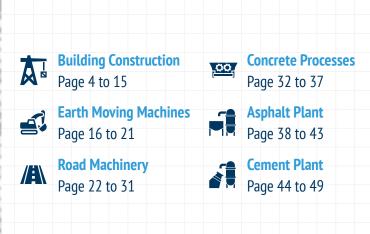




Construction Industry







The broadest range of solutions for the Construction Industry

Enhancing construction equipment performance, efficiency, productivity and reliability is what we've done for over 40 years.

With experience alongside the major players in the world, our team of experts creates, designs and produces advanced technology solutions for a wide range of applications, such as transit mixer trucks, drilling equipment and cranes.

Our range of products, including planetary drives, drum drives, track drives, slew drives or winch drives, is perfectly tailored to meet a broad variety of drive specifications and is making us global leader in this industry.

Bonfiglioli also provides solutions for:



ACCESS & AERIAL PLATFORMS



BUILDING CONSTRUCTION



EARTH-MOVING MACHINES



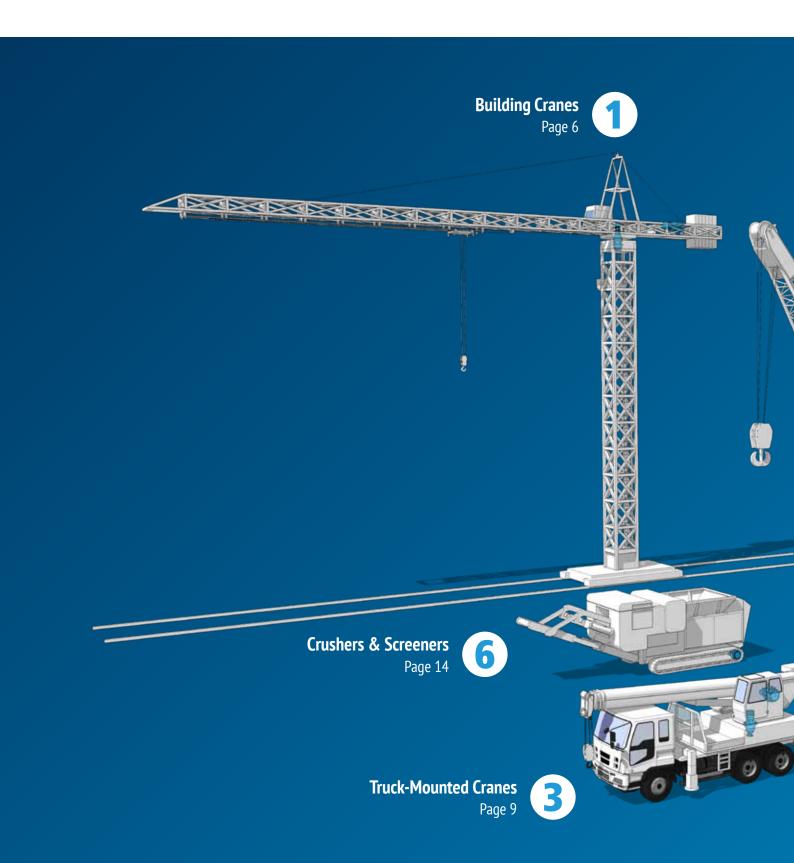
ROAD CONSTRUCTION

www.bonfiglioli.com















Building cranes

Slew drives

Bonfiglioli slew drives provide the safest, most effective solution for building cranes. Thanks to long established experience, Bonfiglioli offers robust and reliable products that meet its customers' needs.

Slew drives

700T Series

Output torque

• 1,200 ... 80,000 Nm

Gear ratios

• 3.48 ... 2,000

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

S Series

Output torque

• 5,5 ... 130 kNm

Gear ratios

• 23 ... 67

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality







Winch drives

Based on the specific application requirements, each winch drive for lifting or pulling cranes is developed to improve the performance and work within the small spaces available.

Trolley & lifting drives

Bonfiglioli's range of products dedicated to handling cranes provides excellent lifting and trolley performance and long life. Both the proper alignment of the cranes and the lift machinery are improved by our solutions.

Winch drives 700C Series

Output torque

• 2,500 ... 625,000 Nm

Gear ratios

• 5.3 ... 492

Benefits

- Compact structure
- Robust layout of planetary gear unit
- High torque & load capacity

Features

- Rotating housing flange
- Rugged construction
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting

800 Series

Output torque

• 5,000 ... 42,000 Nm

Gear ratios

• 22 ... 108

Benefits

- Compact structure
- Robust layout of planetary gear unit
- High torque & load capacity

Features

- Rotating housing flange
- Rugged construction
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting

FW Series

Output torque

• 5,4 ... 210 kNm

Gear ratios

• 35 ... 490

Benefits

- Compact structure
- Robust layout of planetary gear unit
- High torque & load capacity

- Rotating housing flange
- Rugged construction
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting









Rough Terrain Cranes

2

Slew drives

Bonfiglioli slew drives provide the safest, most effective solution for rough terrain cranes. Our products' flexibility matches the versatility of this typical application, allowing the highest reach and the best maneuverability.

Winch drives

Based on the specific application requirements, each winch drive for rough terrain cranes is developed to improve performance in the space available.

Slew drives 700T Series

Output torque

• 1,200 ... 20,000 Nm

Gear ratios

• 100 ... 200

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- · High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

S Series

Output torque

• 5,5 ... 130 kNm

Gear ratios

• 23 ... 67

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- · High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

Winch drives **700C Series**

Output torque

• 2,500 ... 625,000 Nm

Gear ratios

• 5.3 ... 492

Benefits

- Compact structure
- Robust layout of planetary gear unit
- High torque & load capacity

Features

- Rotating housing flange
- Rugged construction
- Rugged constructionIntegrated disc-brake
- Easy oil change from front side
- Easy drum mounting

800 Series

Output torque

• 5,000 ... 42,000 Nm

Gear ratios

• 22 ... 108

Benefits

- Compact structure
- Robust layout of planetary gear unit
- High torque & load capacity

- Rotating housing flange
- Rugged construction
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting













Truck-Mounted Cranes

3

Slew drives

Bonfiglioli slew drives provide the safest, most effective solution for truck-mounted cranes. Our products' flexibility matches the versatility of this typical application, allowing the highest reach and the best maneuverability.

Winch drives

Based on the specific application requirements, each lifting or pulling truck-mounted winch drive is developed to improve performance in the space available.

Slew drives 700T Series

Output torque

• 1,200 ... 20,000 Nm

Gear ratios

• 100 ... 200

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

S Series

Output torque

• 5,5 ... 130 kNm

Gear ratios

• 23 ... 67

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

Winch drives 700C Series

Output torque

• 2,500 ... 625,000 Nm

Gear ratios

• 5.3 ... 492

Benefits

- Compact structure
- Robust layout of planetary gear unit
- High torque & load capacity

- Rotating housing flange
- Rugged construction
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting









Crawler Cranes

Track drives

With a reliable series of products, Bonfiglioli gives OEMs the best possible choice of a track drive system for crawler cranes. The reliability and robustness of this series allow the machine to resist harsh environments and extend life service.

Slew drives 700T Series

Output torque

• 1,200 ... 20,000 Nm

Gear ratios

• 100 ... 200

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

S Series

Output torque

• 5,5 ... 130 kNm

Gear ratios

• 23 ... 67

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

Winch drives **800 Series**

Output torque

• 5,000 ... 17,500 Nm

Gear ratios

• 21 ... 53

Benefits

- Compact structure
- Robust layout of planetary gear unit
- High torque & load capacity

- Rotating housing flange
- Rugged construction
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting











Our slew drives provide the safest, most effective solution to crawler cranes. Our products' flexibility matches the versatility of this typical application, allowing the highest reach and the best maneuverability.

Winch drives

Based on the specific application requirements, each winch drive for lifting or pulling cranes is developed to improve the performance and work within the small spaces available.

Track drives 700CK Series

Output torque

• 1,200 ... 220,000 Nm

Gear ratios

• 20 ... 120

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

700C Series

Output torque

• 18,000 ... 60,000 Nm

Gear ratios

• 35 ... 166

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

FP Series

Output torque

• 100 ... 1,100 kNm

Gear ratios

• 248 ... 825

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality









Drilling Machines

5

Track drives

Thanks to reliable series of products, Bonfiglioli gives every OEM the best possible options for choosing a track drive system. High performance, including high torque in a compact space, is one of our portfolio's key benefits.

Slew drives 700T Series

Output torque

• 1,200 ... 20,000 Nm

Gear ratios

• 100 ... 200

Benefits

- · Safe & Efficient solutions
- Robustness
- Adaptability
- · High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

S Series

Output torque

• 5,5 ... 130 kNm

Gear ratios

• 23 ... 67

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- · High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

Track drives

700C & 700CK Series

Output torque

• 1,200 ... 220,000 Nm

Gear ratios

• 20 ... 166

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

Features

- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake

F series

Output torque

• 100 ... 900 kNm

Gear ratios

• 248 ... 825

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake











Slew drives

Reliability and high torque capabilities are the two key benefits of our slew drive applications for drilling rigs from 180 up to 400 tons.

Winch drives

Bonfiglioli has also developed drill rotation and control solutions capable of transmitting up to 42,000 Nm of torque.

Rotary head drives

By supplying the necessary power to the drilling machine, the rotary head drives allow more efficiency and resistance to long work times. Bonfiglioli has developed drives that excellently meet these requirements.

Winch drives 700C Series

Output torque

• 2,500 ... 625,000 Nm

Gear ratios

• 5.3 ... 492

Benefits

- Compact structure
- Robust layout of planetary gear unit
- High torque & load capacity

Features

- Rotating housing flange
- Rugged construction
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting

800 Series

Output torque

• 5,000 ... 42,000 Nm

Gear ratios

• 22 ... 108

Benefits

- Compact structure
- Robust layout of planetary gear unit
- High torque & load capacity

Features

- Rotating housing flange
- Rugged construction
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting

FW Series

Output torque

• 5,4 ... 210 kNm

Gear ratios

• 35 ... 490

Benefits

- Compact structure
- Robust layout of planetary gear unit
- High torque & load capacity

Features

- Rotating housing flange
- Rugged construction
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting

Rotary head drives **300 Series**

Output torque

• 1,000 ... 1,100,000 Nm

Gear ratios

• 3,4 ... 5,000

Benefits

- Compact & Powerful
- Resistent to shock loads
- High versatility

Features

Output Configurations

- Foot and flange mounted
- Output shaft: solid with key, splined, splined hollow, hollow with shrink disc

Input Configurations

- Flanged axial piston hydraulic motors
- Hydraulic orbit motors
- IEC and Nema motor adaptors
- Solid input shaft











Crushers & Screeners

Conveyor drives

The performance of Bonfigliolio's drives eliminates maintenanceintensive gearboxes, helping our customers increase reliability and cut costs.

Track drives **700CK Series**

Output torque

• 1,200 ... 220,000 Nm

Gear ratios

• 20 ... 120

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

700CP Series

Output torque

• 1,200 ... 5,000 Nm

Gear ratios

• 18.5 ... 57.5

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- · High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

700CE Series

Output torque

• 26,000 ... 60,000 Nm

Gear ratios

• 123 ... 350

Benefits

- · Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- · High availability by highest teeth and production quality

F Series

Output torque

• 100 ... 900 kNm

Gear ratios

• 248 ... 825

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality













With a reliable series of products for crushing equipment, Bonfiglioli gives OEMs the best possible choice of a track drive system. High performance, including high torque in a compact space, is one of our portfolio's key benefits. These solutions give the machine smooth operation and long product life.

Winch drives **700C Series**

Output torque

• 2,500 ... 30,000 Nm

Gear ratios

• 19 ... 166

Benefits

- Compact structure
- Robust layout of planetary gear unit
- High torque & load capacity

Features

- Rotating housing flange
- Rugged construction
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting

800 Series

Output torque

• 5,000 ... 17,500 Nm

Gear ratios

• 21 ... 53

Benefits

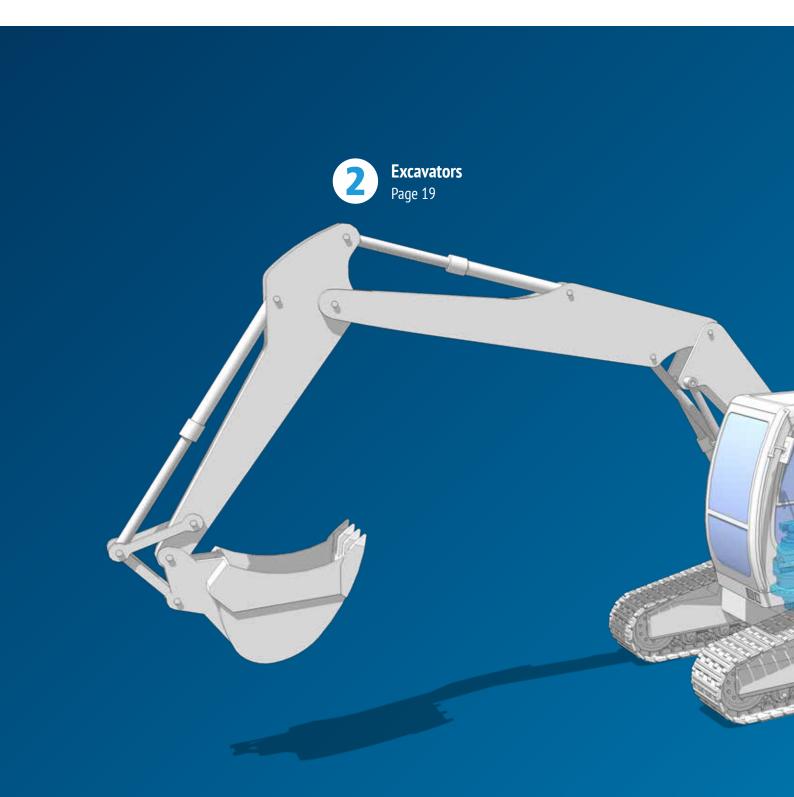
- Compact structure
- Robust layout of planetary gear unit
- High torque & load capacity

- Rotating housing flange
- Rugged construction
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting

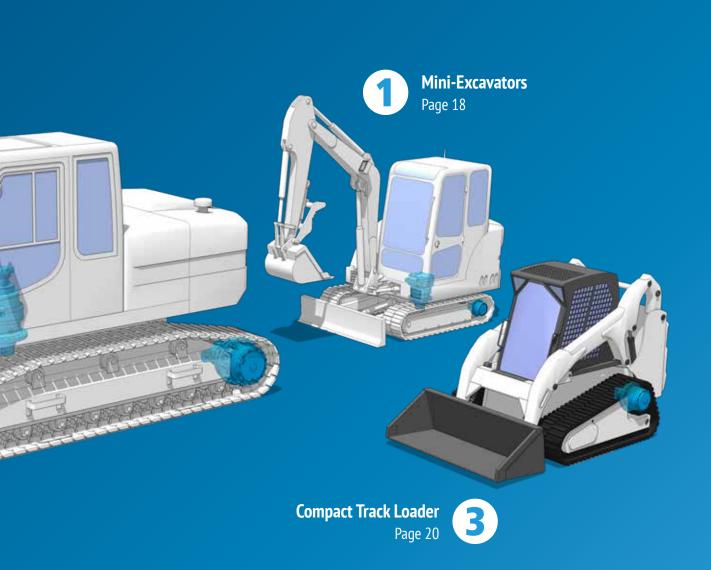




Earth Moving Machines







Earth Moving Machines



Mini-Excavators

Track drives

High performance, including high torque in a compact space, is one of our portfolio's key benefits. These solutions allow smooth machine operation.

Winch drives

The compactness and efficiency of Bonfiglioli slew drives for 1 to 6 ton miniexcavators ensure the best possible machine efficiency and easy maintenance.

Track drives 700CK Series

Output torque

• 1,200 ... 5,000 Nm

Gear ratios

• 32 ... 53

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

Features

- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- · Integrated disc-brake

700CP Series

Output torque

• 1,200 ... 5,000 Nm

Gear ratios

• 18.5 ... 57.5

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

Features

- · Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake

Slew drives 700TK Series

Output torque

• 750 ... 2,000 Nm

Gear ratios

• 6 ... 26

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- · High torque capacity

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality











Excavators

Track drives

High performance, including high torque in a compact space, is one of our portfolio's key benefits. These solutions allow smooth machine operation.

Winch drives

The compactness and efficiency of Bonfiglioli slew drives for 7 to 150 tons ecavators, ensure the best possible machine efficiency and easy maintenance.

Track drives 700CK Series

Output torque

• 9,000 ... 240,000 Nm

Gear ratios

• 40 ... 82

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

Features

- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake

FP Series

Output torque

• 100 ... 1,100 kNm

Gear ratios

• 248 ... 825

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

Features

- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake

Slew drives

700T & 700TK Series

Output torque

• 2,500 ... 30,000 Nm

Gear ratios

• 15 ... 35

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- · High torque capacity

Features

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality

S Series

Output torque

• 5,5 ... 130 kNm

Gear ratios

• 23 ... 67

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality









Earth Moving Machines



Compact Track Loader

3

Track drives

With a reliable series of products for compact track loaders, Bonfiglioli gives OEM the best possible choice of drive systems. High performance, including high torque in a compact space, is one of our portfolio's key benefits. These solutions allow smooth machine operation.

Track drives 700XT Series

Output torque

• 12,000 ... 22,000 Nm

Gear ratios

• 22 ... 53

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

Features

- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- · Integrated disc-brake

700CT Series

Output torque

• 3,500 ... 12,500 Nm

Gear ratios

• 15 ... 53

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

Features

- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake

700CK Series

Output torque

• 1,200 ... 5,000 Nm

Gear ratios

• 32 ... 53

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

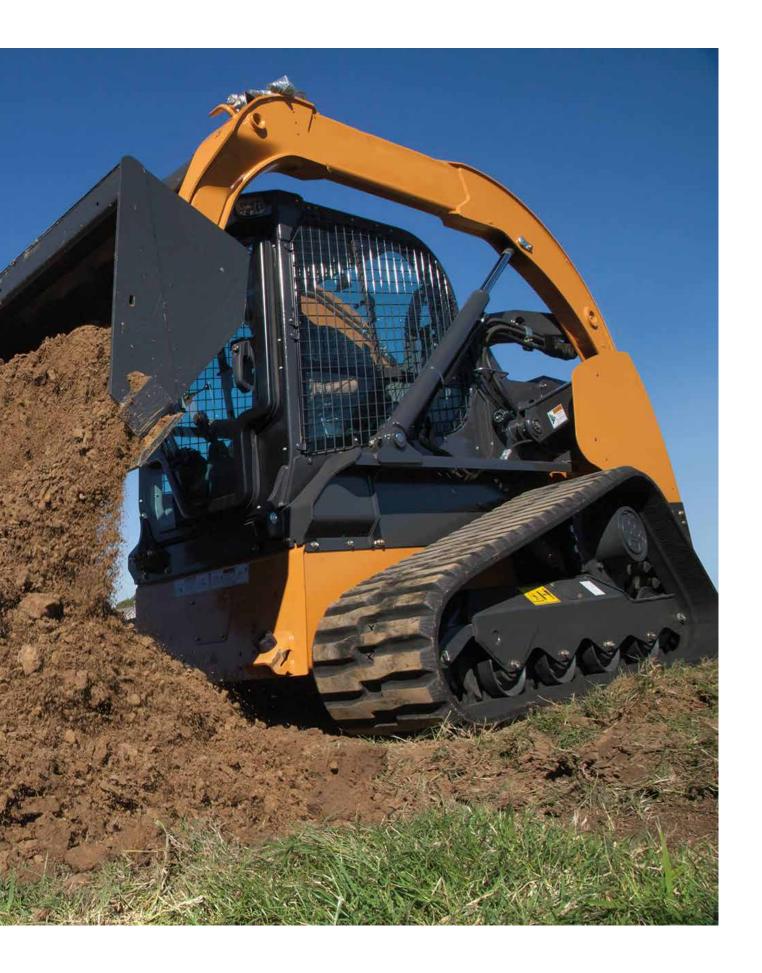
- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake



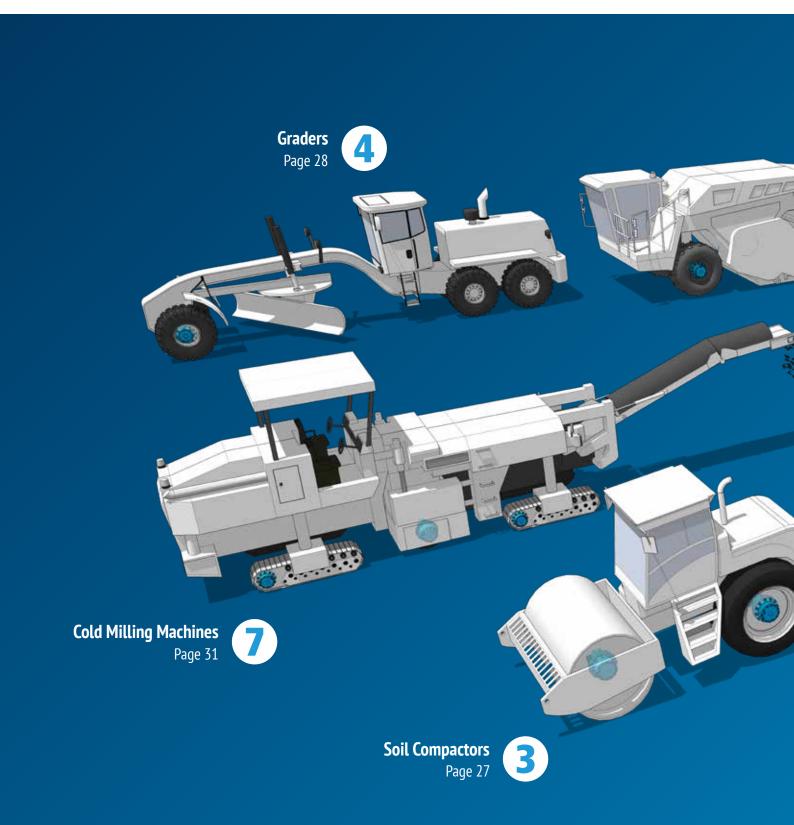




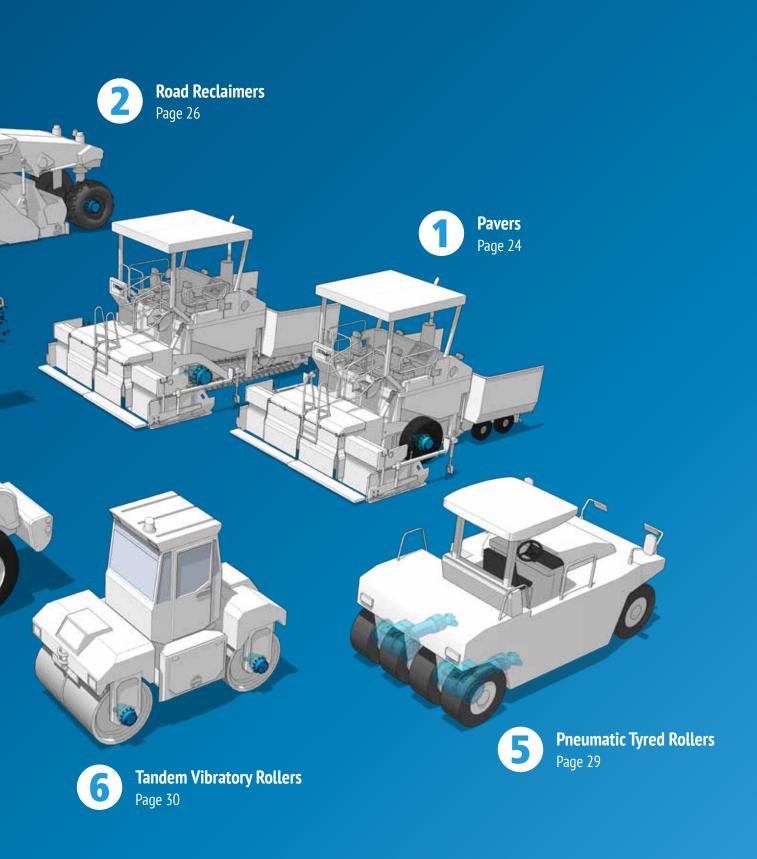




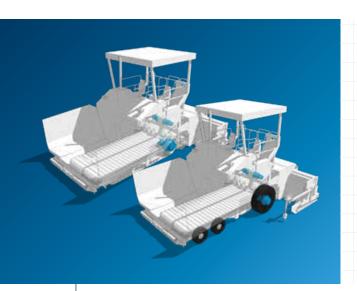
Road Machinery







Road Machinery



Pavers

1

Wheel drives

With a reliable series of products, Bonfiglioli gives paving machine builders the best possible choice of drive systems, allowing the machine to move back and forth. High performance, including high torque in a compact space with limited axial dimensions, is one of our portfolio's key benefits. All units are available with a fail-safe parking brake and most have a cartridge-type fixed or variable displaceent hydraulic motor.

Wheel drives 600W2/3 Series

Output torque

• 15,000 ... 50,000 Nm

Gear ratios

- 20 ... 35 Hi-Speed
- 70 ... 234 Lo-Speed

Benefits

- Compact design
- High torque capacity
- Rugged design

Features

- Rotating housing flange with studs to fit wheels and drums
- Mechanical lifetime seals
- Optional mechanical gear disengagement on request

Auger drives

300 Series Mobile

Output torque

• 1,000 ... 1,100,000 Nm

Gear ratios

• 3,4 ... 5,000

Benefits

- Compact & Powerful
- Resistent to shock loads
- High versatility

Features

Output Configurations

- Foot and flange mounted
- Output shaft: solid with key, splined, splined hollow, hollow with shrink disc

Input Configurations

- Flanged axial piston hydraulic motors
- Hydraulic orbit motors
- IEC and Nema motor adaptors
- Solid input shaft







Auger drives

Bonfiglioli also offers also a specific solution for distribution augers that push asphalt outward to the desired width. Resistant to heavy loads, the range of products can also endure long hours of work.

Track drives

For any tracked paving machine, no matter how big or small, there is a suitable travel drive within the Bonfiglioli range, allowing the machine to move smoothly back and forth. All units are available with a fail-safe parking brake and most have a cartridge-type fixed or variable displaceent hydraulic motor.

Track drives 700CT Series

Output torque

• 3,500 ... 12,500 Nm

Gear ratios

• 15 ... 53

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

Features

- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- · Integrated disc-brake

700C Series

Output torque

• 18,000 ... 60,000 Nm

Gear ratios

• 35 ... 166

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

Features

- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake

F Series

Output torque

• 13 ... 100 kNm

Gear ratios

• 35 ... 305

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake







Road Machinery



Road Reclaimers

2

Wheel drives

With a reliable series of products for road reclaimers and graders, Bonfiglioli gives machine builders the best possible choice of drive systems. High performance, including high torque in a compact space with limited axial dimensions, is one of our portfolio's key benefits. These solutions include an optional disengagement device for towing the machine in an emergency.

Wheel drives

600 Series

Output torque

• 30,000 ... 60,000 Nm

Gear ratios

• 65 ... 127

Benefits

- Compact design
- High torque capacity
- Rugged design

- \bullet Rotating housing flange with studs to fit wheels and drums
- Mechanical lifetime seals
- Optional mechanical gear disengagement on request







Soil Compactors

Wheel drives

High performance, including high torque in a compact space with limited axial dimensions, is one of our portfolio's key benefits.

Drum drives

Extreme compactness, light weight, efficiency and smooth operation are the key features of Bonfiglioli travel drives for soil compactor machines.

Wheel drives 600 Series

Output torque

• 4,000 ... 23,000 Nm

Gear ratios

• 19 ... 147

Benefits

- Compact design
- High torque capacity
- Rugged design

Features

- · Rotating housing flange with studs to fit wheels and drums
- Mechanical lifetime seals
- · Optional mechanical gear disengagement on request

Drum drives **700C Series**

Output torque

• 26,000 ... 60,000 Nm

Gear ratios

• 55 ... 166

Benefits

- · Compact design
- · High torque & load capacity
- · Available with failsafe parking brake and for most cartridge type fixed or variable.

Features

- · Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake

F Series

Output torque

• 13 ... 100 kNm

Gear ratios

• 35 ... 305

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake







Road Machinery



Graders

4

Wheel drives

With a reliable series of products for road reclaimers and graders, Bonfiglioli gives machine builders the best possible choice of drive systems. High performance, including high torque in a compact space with limited axial dimensions, is one of our portfolio's key benefits. These solutions include an optional disengagement device for towing the machine in an emergency.

Wheel drives

600 Series

Output torque

• 15,000 Nm

Gear ratios

• 30

Benefits

- Customized & Compact design
- Resistent
- High performance

Features

• Included high-speed clutch device







Pneumatic Tyred Rollers



Wheel drives

With a reliable series of products, Bonfiglioli gives builders of pneumatic tired rollers the best possible choice of drive systems. High performance, including high torque in a compact space with limited axial dimensions, is one of our portfolio's key benefits.

Wheel drives **600Y Series**

OUO I SCITE

Output torque

• 14,000 ... 22,000 Nm

Gear ratios

• 30 ... 32

Benefits

- Customized & Compact design
- Resistent
- High performance

- Brake designed for
- Parking
- Emergency stops
- Dynamic braking at low speed (inching)
- Cartridge axial piston hydraulic motors
- Flanged axial piston hydraulic motors



Road Machinery



Tandem Vibratory Rollers

6

Drum drives

Bonfiglioli supplies efficient solutions with integrated, highperformance hydraulic motors and low maintenance braking systems for tandem vibratory roller machines.

Drum drives

700C Series

Output torque

• 1,000 ... 60,000 Nm

Gear ratios

• 5.25 ... 166

Benefits

- Compact design
- High torque & load capacity
- Available with failsafe parking brake and for most cartridge type fixed or variable.

- Rotating housing
- Rugged design
- Mechanical lifetime seals
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake







Cold Milling Machines

7

Wheel drives

High performance, including high torque in a compact space with limited axial dimensions, is one of our wheeled drive portfolio's key benefits.

Cutter drives

Bonfiglioli cutter drives are also designed to withstand harsh environments and can endure critical temperatures without any risk of the breakage that typically occurs with cold milling machines.

Wheel drives **600 Series**

Output torque

• 4,000 ... 60,000 Nm

Gear ratios

• 19 ... 147

Benefits

- Compact design
- High torque capacity
- Rugged design

Features

- Rotating housing flange with studs to fit wheels and drums
- Mechanical lifetime seals
- Optional mechanical gear disengagement on request

Cutter drives **700C Series**

Output torque

• 20,000 ... 45,000 Nm

Gear ratios

• 16 ... 22.9

Benefits

- · Optimized housing design
- Compact structure
- High performance

Features

- Dual stage planetary reduction
- Integrated pulley support shaft with reinforced bearings
- Notchless ground tooth root

FA Series

Output torque

• 8,5 ... 115 kNm

Gear ratios

• 14 ... 26

Benefits

- · Optimized housing design
- Compact structure
- High performance

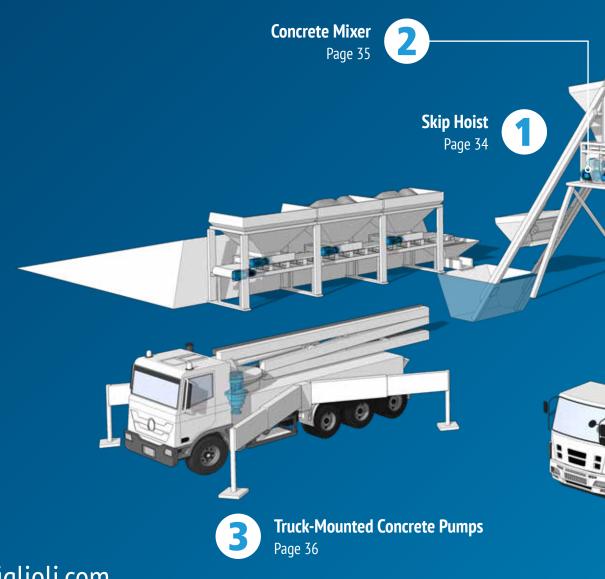
- Dual stage planetary reduction
- Integrated pulley support shaft with reinforced bearings
- Notchless ground tooth root







Concrete Processes



www.bonfiglioli.com





Concrete Processes



Skip Hoist

Our solutions are perfectly fitting the requirements of any skyp hoist allowing to load the bucket with the right quantity of aggregates. The low maintenance as well as the adaptability of our products are critical for this process.

Main Drive

300M Series

Planetary gearbox and geared motor

Output torque

• 1,250 ... 1,286,700 Nm

Gear ratios

• 3.4 ... 2,916

Benefits

- High radial load
- Easy integration with machine
- Flexibility in type of motor selection
- One-stop-shop for a complete drive solution

Features

- Brakemotor
- Reinforced Bearings
- Hydraulic or electric motor input solution
- Wide range of output shaft options

Inverters

Active Cube Series Premium Inverter

Benefits

- Compact design
- Cost-saving
- Plug & play solution
- Standard cooling and optional water-cooling
- Tropicalized for harsh environment

- Keypad for easy setup, commissioning, parameterization, copy function and diagnosis
- Interface for communication with PC
- Field bus communication: I/O Extension
- Encoder & feedback evaluation
- PC software







Concrete Mixer

Mixer drives

Bonfiglioli's highly versatile solutions fit these heavy duty applications excellently, helping the machines to deliver optimal mixing results.

Main Drive 300M Series

Planetary gearbox and geared motor

Output torque

• 1,250 ... 1,286,700 Nm

Gear ratios

• 3.4 ... 2,916

Benefits

- Compact design
- One-stop-shop for a complete drive solution
- High flexibility in layout and mounting positions
- High resistance in harsh & dusty ambient conditions
- Cost effective

Features

- High Torque Density
- Up to 355kW Motor Power
- Belt Pulley Configuration
- Up to IE3 Efficiency
- Splined male shaft available

Inverters Active Cube Series

Premium Inverter

Benefits

- Compact design
- Cost-saving
- Plug & play solution
- Standard cooling and optional water-cooling
- Tropicalized for harsh environment

- Keypad for easy setup, commissioning, parameterization, copy function and diagnosis
- Interface for communication with PC
- Field bus communication: I/O Extension
- Encoder & feedback evaluation
- PC software



Concrete Processes



Truck-Mounted Concrete Pumps 3

Slew drives

Bonfiglioli slew drives provide the safest, most effective solution for truck-mounted concrete pumps. Our products' flexibility matches the versatility of this typical application, allowing the highest reach and the best maneuverability.

Slew drives

700T Series

Hydraulic and Electric solutions

Output torque

• 3,500 ... 35,000 Nm

Gear ratios

• 20 ... 200

Benefits

- Safe & Efficient solutions
- Robustness
- Adaptability
- High torque capacity

- Flange mounted
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake
- High availability by highest teeth and production quality







Transit mixer trucks



Drum drives

Our solutions improve concrete trucks' key features, such as precision of rpm control, noise levels and fuel consumption, and reduce maintenance costs. Available in both electric and hydraulic versions, Bonfiglioli drum drives meet machine builders' needs excellently. The electric version not only guarantees greater energy efficiency and reduced fuel consumption, but also helps cut cement mixer truck operating costs.

Drum drives 500 Series Electric solutions

Output torque

• 60,000 Nm

Gear ratios

- Main: 1:220
- Emergency: 1:2200

Benefits

- Improved precision of rpm control
- Less noise levels & fuel consumption
- Reduced maintenance costs
- Energy efficiency

Features

- Rugged design
- High torque capacity
- High load capacity
- Mounting frame for water tank
- Speed sensor

500 SeriesHydraulic solutions

Output torque

• 3,000 ... 75,000 Nm

Gear ratios

• 17 ... 161

Benefits

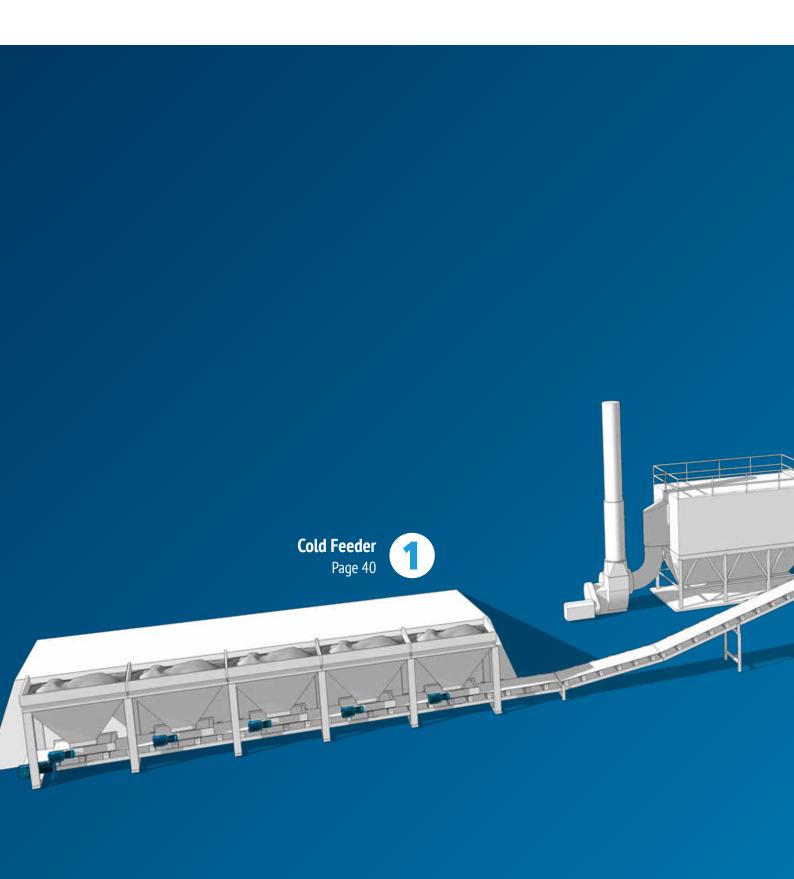
- Compact design
- High torque capacity
- Rugged design

- Rotating housing flange with studs to fit wheels and drums
- Mechanical lifetime seals
- Optional mechanical gear disengagement on request



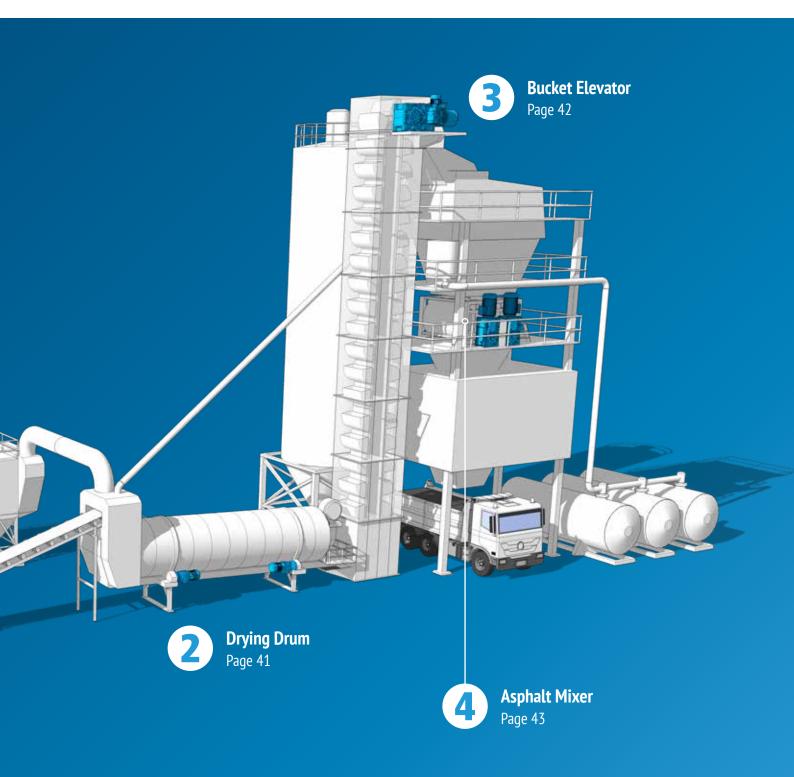


Asphalt Plant

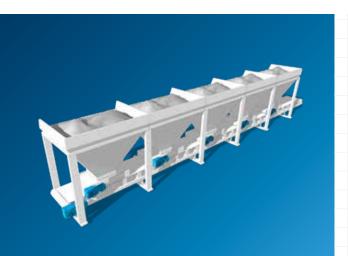


www.bonfiglioli.com





Asphalt Plant



Cold Feeder

Adapting the ratio of raw materials, changing the opening size of each bin's gate or adjusting the belt conveyor speed are critical actions our products are able to do for cold feeders.

Belt Conveyor Drive

A Series

Helical bevel geared motor

Output torque

• 100 ... 14,000 Nm

Gear ratios

• 4.9 ... 1,715

Benefits

- Cost Effective
- Easy integration with machine
- Mounting flexibility
- Compactness

Features

- Compact gearmotor
- Right angle layout
- Wide range of mounting option
- Inverter duty motors

0

Standard gearboxes and geared motors features for construction applications

Taconite seals, C4 or C5 surface protection according to ISO 12944-2, oil heaters, greasers and sensors. Heavy duty oil breather, IP56 degree of protection, thermal protective devices (thermistors and thermostats), anti condensate heaters.

Inverters Active Cube Series

Premium Inverter

Benefits

- Compact design
- Cost-saving
- Plug & play solution
- Standard cooling and optional water-cooling
- Tropicalized for harsh environment

- Keypad for easy setup, commissioning, parameterization, copy function and diagnosis
- Interface for communication with PC
- Field bus communication: I/O Extension
- Encoder & feedback evaluation
- PC software







Drying Drum

We offer solutions that adapt to the drum dimensions and design giving thus the opportunity to perfectly manage the intensity of the dryers.

Main Drive

F Series

Shaft mounted geared motor

Output torque

• 140 ... 14,000 Nm

Gear ratios

• 6.4 ... 2,099

Benefits

- Space effective solution and drum clearance
- Reliable operation in hot environment
- Easy installation
- · High radial load

Features

- Shaft mounting
- Keyed hollow shaft two bore options per size, keyless shrink disc fitting (metric series)
- Reinforced Bearings on output shaft
- Thermal protection (bi-metallic, PTC or KTY)

Standard gearboxes and geared motors features for construction applications

Taconite seals, C4 or C5 surface protection according to ISO 12944-2, oil heaters, greasers and sensors. Heavy duty oil breather, IP56 degree of protection, thermal protective devices (thermistors and thermostats), anti condensate heaters.

Inverters

Active Cube Series

Premium Inverter

Benefits

- Compact design
- Cost-saving
- Plug & play solution
- Standard cooling and optional water-cooling
- Tropicalized for harsh environment

- Keypad for easy setup, commissioning, parameterization, copy function and diagnosis
- Interface for communication with PC
- Field bus communication: I/O Extension
- Encoder & feedback evaluation
- PC software



Asphalt Plant



Bucket Elevator

The range of products we offer for bucket elevators are matching the requirements of low maintenance, speed control and high shock resistance.

Main Drive

HDO Series

Heavy duty geared motor (Helical-Bevel)

Output torque

• 8,990 ... 209,000 Nm

Gear ratios

• 5.6 ... 490

Benefits

- Two speeds operation simplify maintenance
- High transmissible power
- Safe operation
- One-stop-shop for a complete drive solution
- Smooth start/stop

Features

- Auxiliary inch drive with self engaging clutch
- Backstop device
- Flexible coupling available
- Up to 355kW Motor Power
- Up to IE3 Efficiency



Auxiliary Drive

A Series

Helical bevel geared motor

Output torque

• 100 ... 14,000 Nm

Gear ratios

• 4.9 ... 1,715

Benefits

- Two speeds operation simplify maintenance
- High transmissible power
- Safe operation
- One-stop-shop for a complete drive solution
- Smooth start/stop

Features

- Auxiliary inch drive with self engaging clutch
- Backstop device
- Flexible coupling available
- Up to 355kW Motor Power
- Up to IE3 Efficiency



Standard gearboxes and geared motors features for construction applications

Taconite seals, C4 or C5 surface protection according to ISO 12944-2, oil heaters, greasers and sensors. Heavy duty oil breather, IP56 degree of protection, thermal protective devices (thermistors and thermostats), anti condensate heaters.

Inverters Active Cube Series

Premium Inverter

Benefits

- Compact design
- Cost-saving
- Plug & play solution
- Standard cooling and optional water-cooling
- Tropicalized for harsh environment

- Keypad for easy setup, commissioning, parameterization, copy function and diagnosis
- Interface for communication with PC
- Field bus communication: I/O Extension
- Encoder & feedback evaluation
- PC software







Asphalt Mixer

Bonfiglioli heavy-duty solutions are resistant to long running hours allowing the perfecting movement of the paddles inside the asphalt mixer.

Main Drive

HDO Series

Heavy duty geared motor (Helical-Bevel)

Output torque

• 8,990 ... 209,000 Nm

Gear ratios

• 5.6 ... 490

Benefits

- High transmissible power
- Compact layout
- Easy mixer shafts synchronization
- One-stop-shop for a complete drive solution
- Easy integration with machine

Features

- 2nd input shaft option
- Motor-Gearbox direct coupling
- Up to 355kW Motor Power
- Up to IE3 Efficiency
- Rain Canopy option for vertical mounting



Standard gearboxes and geared motors features for construction applications

Taconite seals, C4 or C5 surface protection according to ISO 12944-2, oil heaters, greasers and sensors. Heavy duty oil breather, IP56 degree of protection, thermal protective devices (thermistors and thermostats), anti condensate heaters.

Inverters

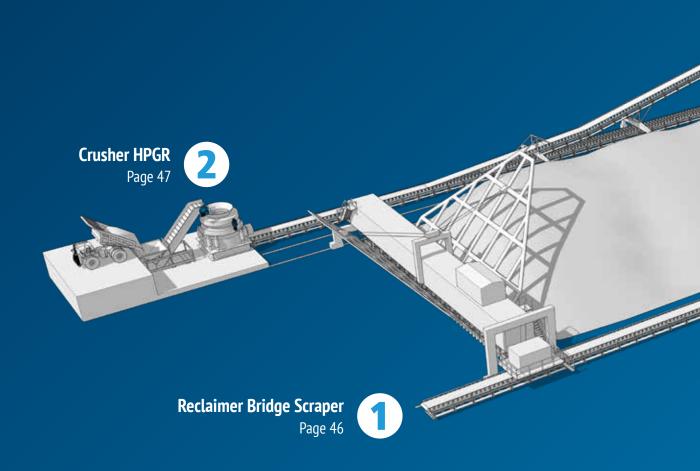
Active Cube Series Premium Inverter

- BenefitsCompact design
- Cost saving
- Cost-saving
- Plug & play solution
- Standard cooling and optional water-cooling
- Tropicalized for harsh environment

- Keypad for easy setup, commissioning, parameterization, copy function and diagnosis
- Interface for communication with PC
- Field bus communication: I/O Extension
- Encoder & feedback evaluation
- PC software

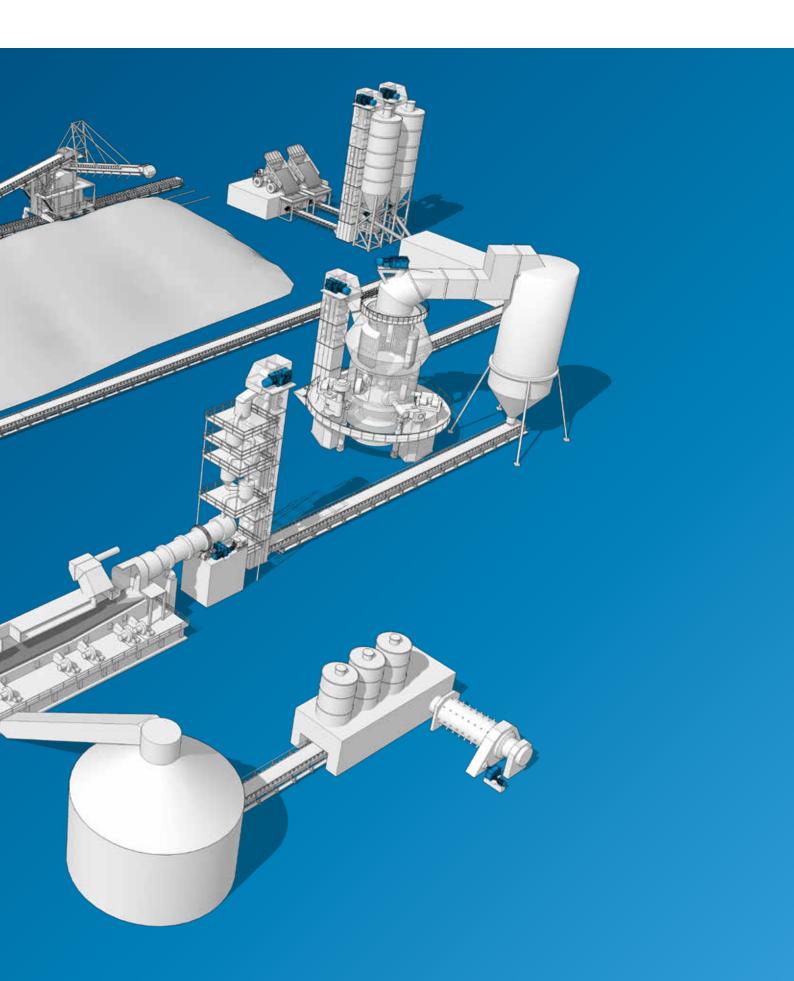


Cement Plant

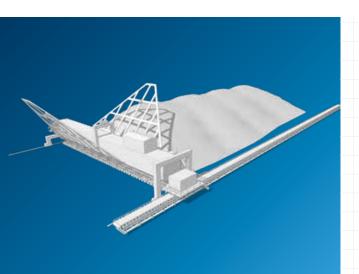








Cement Plant



Reclaimer Bridge Scraper

The homogenization and the blending of the raw material is a critical phase in the cement plant process. Our solutions are adapted to the specific requirements of bridge reclaimers allowing the material to be conveying to the next stage.

Long Travel Drive & Towing Blades Drive **300M Series**

Planetary gearbox and geared motor

Output torque

• 1,250 ... 1,286,700 Nm

Gear ratios

• 3.4 ... 2,916

Benefits

- Compactness
- Wide selection of output speeds
- Cost effective
- · Low maintenance
- High resistance in harsh & dusty ambient conditions

Features

- High Torque density
- Modular design
- · Wide ratios range
- Shaft mounting with torque arm option



Standard gearboxes and geared motors features for construction applications

Taconite seals, C4 or C5 surface protection according to ISO 12944-2, oil heaters, greasers and sensors. Heavy duty oil breather, IP56 degree of protection, thermal protective devices (thermistors and thermostats), anti condensate heaters.

Inverters Active Cube Series Premium Inverter

Benefits

- Compact design
- Cost-saving
- Plug & play solution
- Standard cooling and optional water-cooling
- Tropicalized for harsh environment

- Keypad for easy setup, commissioning, parameterization, copy function and diagnosis
- Interface for communication with PC
- Field bus communication: I/O Extension
- Encoder & feedback evaluation
- PC software







Crusher HPGR

Bonfiglioli range of products allows high-pressure grinding crushers to be more than ever energy efficient, reliable and flexible offering thus a resistant cost-saving solution.

Main Drive

HDO/HDP Series

Heavy duty geared motor (Helical-Bevel/Parallel)

Output torque

• 7,060 ... 209,000 Nm

Gear ratios

• 5.6 ... 500

Benefits

- Compact layout solution
- Easy gearbox installation (shaft mounting option)
- Highly transmissible power
- Cooling-system free
- Wide range of temperature & working condition

Features

- 14 gearbox sizes
- Modular design
- Torque up to 210 000 Nm



Standard gearboxes and geared motors features for construction applications

Taconite seals, C4 or C5 surface protection according to ISO 12944-2, oil heaters, greasers and sensors. Heavy duty oil breather, IP56 degree of protection, thermal protective devices (thermistors and thermostats), anti condensate heaters.

Inverters

Active Cube Series Premium Inverter

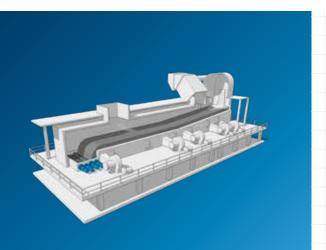
Benefits

- Compact design
- Cost-saving
- Plug & play solution
- Standard cooling and optional water-cooling
- Tropicalized for harsh environment

- Keypad for easy setup, commissioning, parameterization, copy function and diagnosis
- Interface for communication with PC
- Field bus communication: I/O Extension
- Encoder & feedback evaluation
- PC software



Cement Plant



3

Mineral Sizer for Clinker Cooler

Responsible for the movement / rotation of the crushing rollers our products are resistant to shocks, easy to integrate and also allow to extend the life of the mineral sizer.

Main Drive

300M Series

Planetary gearbox and geared motor

Output torque

• 1,250 ... 1,286,700 Nm

Gear ratios

• 3.4 ... 2,916

Benefits

- High Shock resistance
- Compact solution
- Easy integration with machine
- · Extended lifetime and reliability

Features

- Bearings with high load
- Increased bearing load capability
- Wide range of output shaft options
- Up to 355kW Motor Power
- Up to IE3 Efficiency

Standard gearboxes and geared motors features for construction applications

Taconite seals, C4 or C5 surface protection according to ISO 12944-2, oil heaters, greasers and sensors. Heavy duty oil breather, IP56 degree of protection, thermal protective devices (thermistors and thermostats), anti condensate heaters.

Inverters

Active Cube Series Premium Inverter

Benefits

- Compact design
- Cost-saving
- Plug & play solution
- Standard cooling and optional water-cooling
- Tropicalized for harsh environment

- Keypad for easy setup, commissioning, parameterization, copy function and diagnosis
- Interface for communication with PC
- Field bus communication: I/O Extension
- Encoder & feedback evaluation
- PC software







Global Presence



Bonfiglioli is a market force with a presence spanning 22 countries on 5 continents. Our organization makes the most of geographic proximity to offer complete solutions combining efficiency and competence.





14 PLAN





We Are a Global Company

Thanks to an international network of sales branches and closely interconnecting production plants, we can guarantee the same high standards of Bonfiglioli quality anywhere at any given time. Aware that our direct presence in local markets is the key to long-lasting success, our family includes 22 sales branches, 14 production plants and more than 500 distributors around the world.

Our organization is always close by, offering complete and efficient solutions and supporting our customers with dedicated services, such as co-engineering or after-sales assistance.







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We have a relentless commitment to excellence, innovation and sustainability. Our team creates, distributes and services world-class power transmission and drive solutions to keep the world in motion.

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