

Solutions for

LOGISTICS & INTRALOGISTICS

 **Bonfiglioli**



Solutions for

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Engineering Solutions



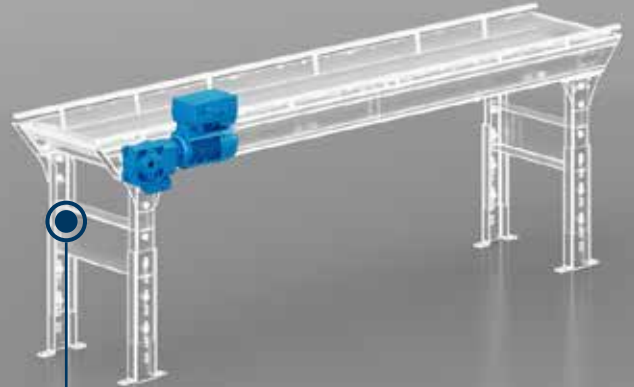
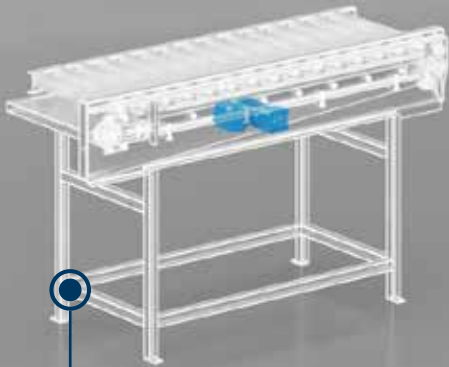
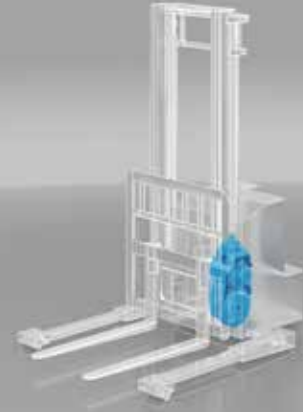
WWW.BONFIGLIOLI.COM

LOGISTICS & INTRALOGISTICS

WE HAVE THE RIGHT SOLUTIONS FOR ALL YOUR INTRALOGISTICS NEEDS!

More than ever, logistics & intralogistics are at the heart of today's world. From automatic storage systems to warehouse vehicles, all these machines play a key role in the smooth flow of materials. With years of experience in integrating systems and designing complete solutions for specific applications, Bonfiglioli can supply the right solutions to support its customers' growth in materials, transportation and storage technology. Efficiency, reliability, flexibility, loading capability and environmental compatibility are the pillars of the Bonfiglioli offer!





1 ROLLER CONVEYORS

2 BELT CONVEYORS

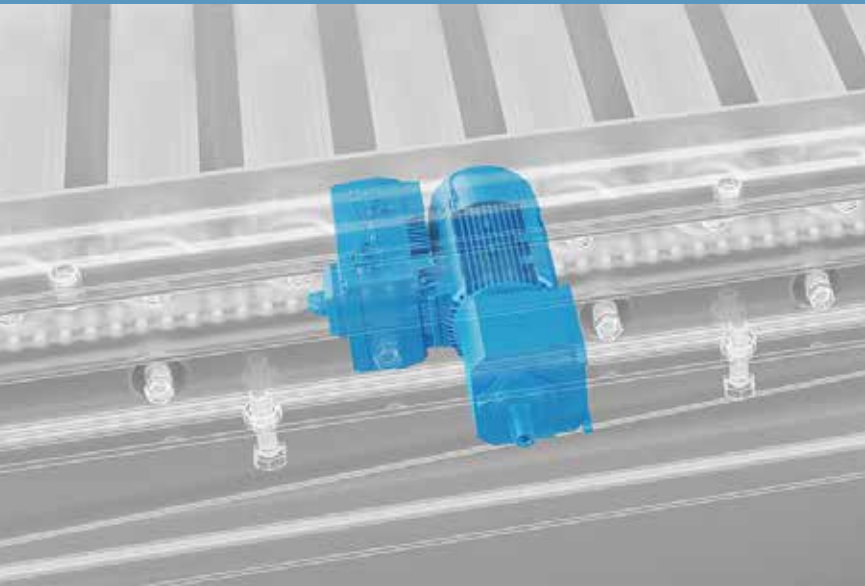
4 FORKLIFTS

5 REACH TRUCKS



6 AMR/AGV

3 AUTOMATIC STORAGE



1

ROLLER CONVEYORS

Our solution consists of a complete drive transmission package, from the gearbox to the decentralized inverter. In roller conveyors, our range is based on coaxial gearbox or orthogonal gearboxes with bevel gear, always combined with our compact IE3 electric motor and the IP65 DGM MPM inverter.



EVOX Series
Helical In-Line Gearbox



BSR Series
Synchronous Reluctance Motors



DGM Series
Decentralized Inverter

BENEFITS

- Torque density
- Compact design
- Wide choice of speeds
- Universal mounting position
- Long-life lubricated

- Torque density
- Compact design
- Wide choice of speeds
- Universal mounting position

- Wide range of kW from 0.55 to 30kW
- Ethernet stack to manage with 1 product code: Profinet, Ethernet IP, Sercos3, Ethercat
- Motor brake management

FEATURES

- Wide range of bolt-on output flanges
- Motor power from 0.37 to 11 kW
- Reinforced bearings available as an option

- IE3/IE4 green solution
- High torque level
- Wide range of options and flanges

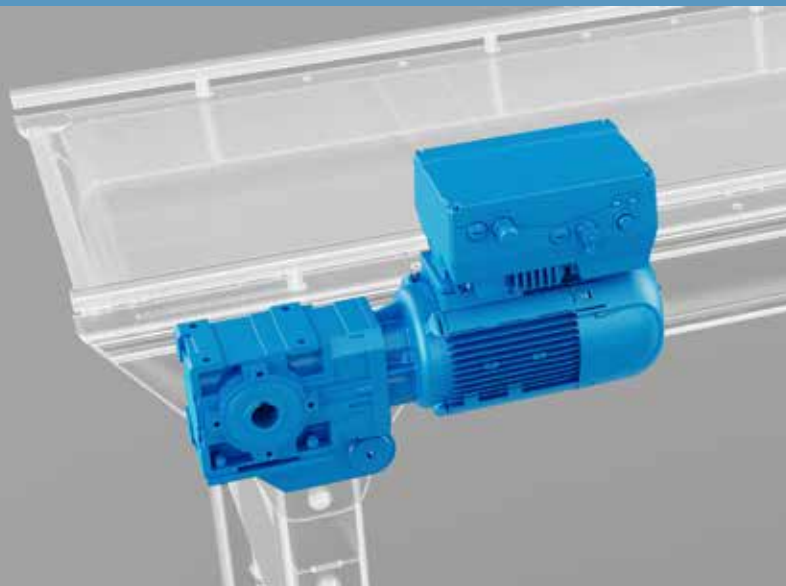
- IP65 Inverter
- Reduction of electrical wiring
- Management of asynchronous motor, reluctance synchronous

2

BELT CONVEYORS

Our solution consists of a complete drive transmission package, from the gearbox to the decentralized inverter. In roller conveyors, our solution is based on coaxial gearbox or orthogonal gearboxes with bevel gear, always combined with our compact IE3 electric motor and the IP65 DGM MPM inverter.

In applications where high efficiency is required, we can offer our synchronous reluctance motor with IE4 efficiency.



A Series

Helical Bevel Gearmotors & Units

- Torque density
- Compact design
- Wide choice of speeds



BSR Series

Synchronous Reluctance Motors

- Torque density
- Compact design
- Wide choice of speeds
- Universal mounting position



DGM Series

Decentralized Inverter

- Wide range of kW from 0.55 to 30kW
- Ethernet stack to manage with 1 product code: Profinet, Ethernet IP, Sercos3, Ethercat
- Motor brake management

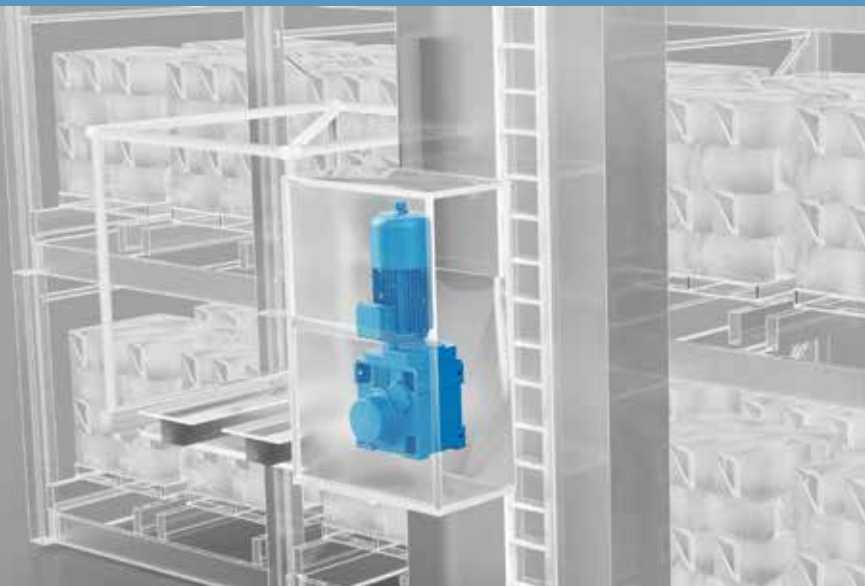
BENEFITS

FEATURES

- Shaft mounting with hollow shaft and torque arm or shrink disk
- Horizontal or vertical mounting position
- Motor power from 0.37 to 11 kW
- Reinforced bearings available as an option
- Reduced backlash as an option

- IE3/IE4 green solution
- High torque level
- Wide range of options and flanges

- IP65 Inverter
- Reduction of electrical wiring
- Management of asynchronous motor, reluctance synchronous



3

AUTOMATIC STORAGE

We supply our customers with complete solutions that guarantee the highest possible precision, efficiency and energy optimization for automatic storage applications. From the inverter to the drives, Bonfiglioli is a one-stop company that understands and able to face today's market challenges.



A Series

Helical Bevel Gearmotors & Units

- Torque density
- Compact design
- Wide choice of speeds



BX Series

Asynchronous IE3 Three Phase Motor

- Motor efficiency class up to IE3
- Reliable, balanced and robust
- Complete solution (gear unit + Motor)
- Energy saving solution
- Compliant with the most of the efficiency standards



BX HD Series

Asynchronous IE3 Three Phase motor

- Robustness
- Long lifetime
- Wide power range
- Energy saving
- Compliant to all the MEPS
- Complete solution (gear unit + motor)
- Control flexibility
- Global motor that can be used in most of the markets

BENEFITS

FEATURES

- Shaft mounting with hollow shaft
- Horizontal or vertical mounting position
- Motor power from 0.25 to 3 kW

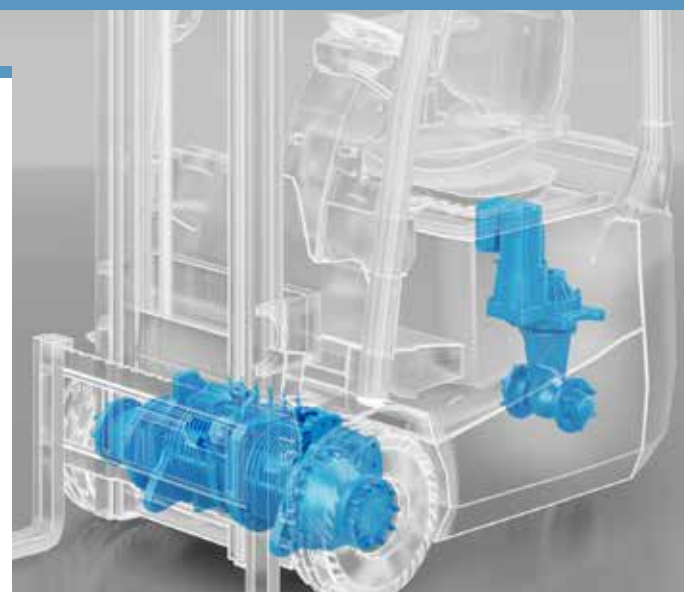
- Power range: up to 355 kW
- Built in brakes available for all power/ sizes
- Thermal protection: KTY, PTC, bimetal switches
- Forced ventilation
- Anti-condensate heaters
- Rotor balancing
- Second shaft extension
- Anti corrosive paintings up to C5M
- Tropicalization
- Degree of protection up to IP56

- Standard IP55 also for brakemotors
- Cast iron housing
- Inverter duty ready
- SPM measurement
- Certified motor (DOE, NRCAN, CCC...)

4

FORKLIFTS

Bonfiglioli supplies high-efficiency, low-noise planetary axles and drives with integrated high performance electric motors and low maintenance braking systems for Class 1 material handling vehicles. Typical applications include 3- and 4-wheel counterbalance lift trucks and ground support equipment. Bonfiglioli electric powertrains are fully tested in the factory and guarantee low energy consumption. This, in turn, means longer battery operating times, extended servicing intervals and lower costs of ownership.



600F Series
Traction Systems



600W0C Series
Idle Steering System

BENEFITS

- Maximum efficiency
- Minimum noise
- Complete solution
- Fully tested

FEATURES

- Dual stage gearbox
- Optimized gear design
- Service brake
- Parking brake
- Integrated, customized mast support
- Integrated AC traction motor protection rating up to IP54
- Integrated, high accuracy, silicon-based temperature sensor
- Integrated, high resolution hall effect speed sensor

TECHNICAL DATA

	Axle torque (Nm)	Lift capacity (kg)
601 F	3,000	2,000
602 F	5,500	3,500
603 F	7,000	5,000
605 F	18,000	9,000
610 F	50,000	16,000

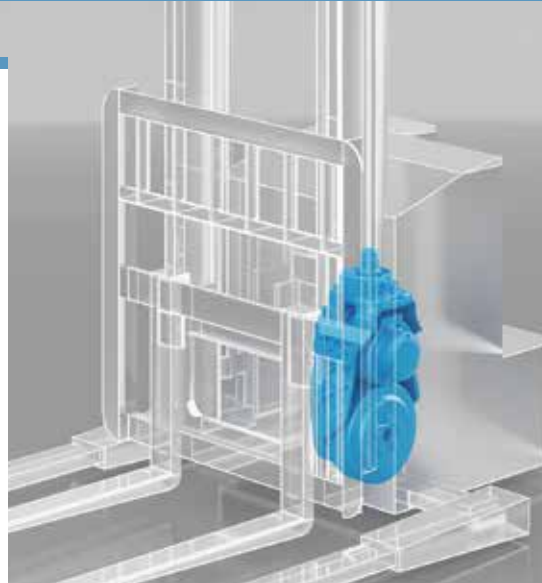
	Lift capacity (kg)
601 W0C	2,000
602 W0C	3,000
603 W0C	3,500



5

WAREHOUSING TRUCKS

Bonfiglioli EL powertrains are a perfect match for the most demanding warehousing applications (Class 2 and Class 3). Warehousing trucks require high maneuverability in tight spaces, provided by drives like those in the EL series, with the smallest operating radius in vertical arrangements.



EL Series Steerable Drives

BENEFITS

- Maximum efficiency
- Minimum noise
- Complete solution
- Fully tested

FEATURES

- Two-stage helical & bevel gearboxes
- Manual steering and power steering versions
- Optimized gear design for efficiency and noise
- Integrated low-voltage electric motor
- Integrated parking brake
- Complete system with tires

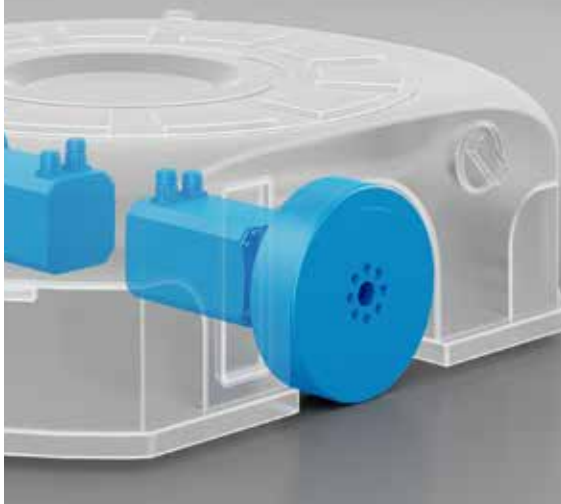
TECHNICAL DATA

	Torque (Nm)		Max wheel load (kg)	
EL100	450		1,200	
EL09	500		1,200	
EL96	500		1,500	
EL10	900		1,500	
EL300	1,100		2,200	
EL92	1,500		3,000	
EL93	1,500		3,000	
EL94	1,500		3,000	
EL14	1,900		3,400	
EL16	2,500		4,000	

6

AUTOMATIC GUIDED VEHICLES

Automatic Guided Vehicles (AGVs) and Autonomous Mobile Robots (AMRs) are a range of driverless transportation robots that can autonomously transport materials through designated pickup and delivery routes within a facility. AGVs and AMRs are easy to integrate into existing processes, simplifying intralogistic flows and increasing automation levels. Due to this, a wide range of sectors is adopting these solutions.



BlueRoll Basic

TQW: the new Wheel-Mounted Gearbox Series

- Easy installation
- Heavy load capability
- Great reliability
- Minimized installation space



BlueRoll Advanced

Powerful and Compact Servo Gearmotors

- High energy efficiency
- Stiff and precise
- High torque capability
- High flexibility



BlueRoll Compact

Extra Compact Servo Gearmotors

- Simplified AGV design
- Suitable for long operation
- Top level configuration

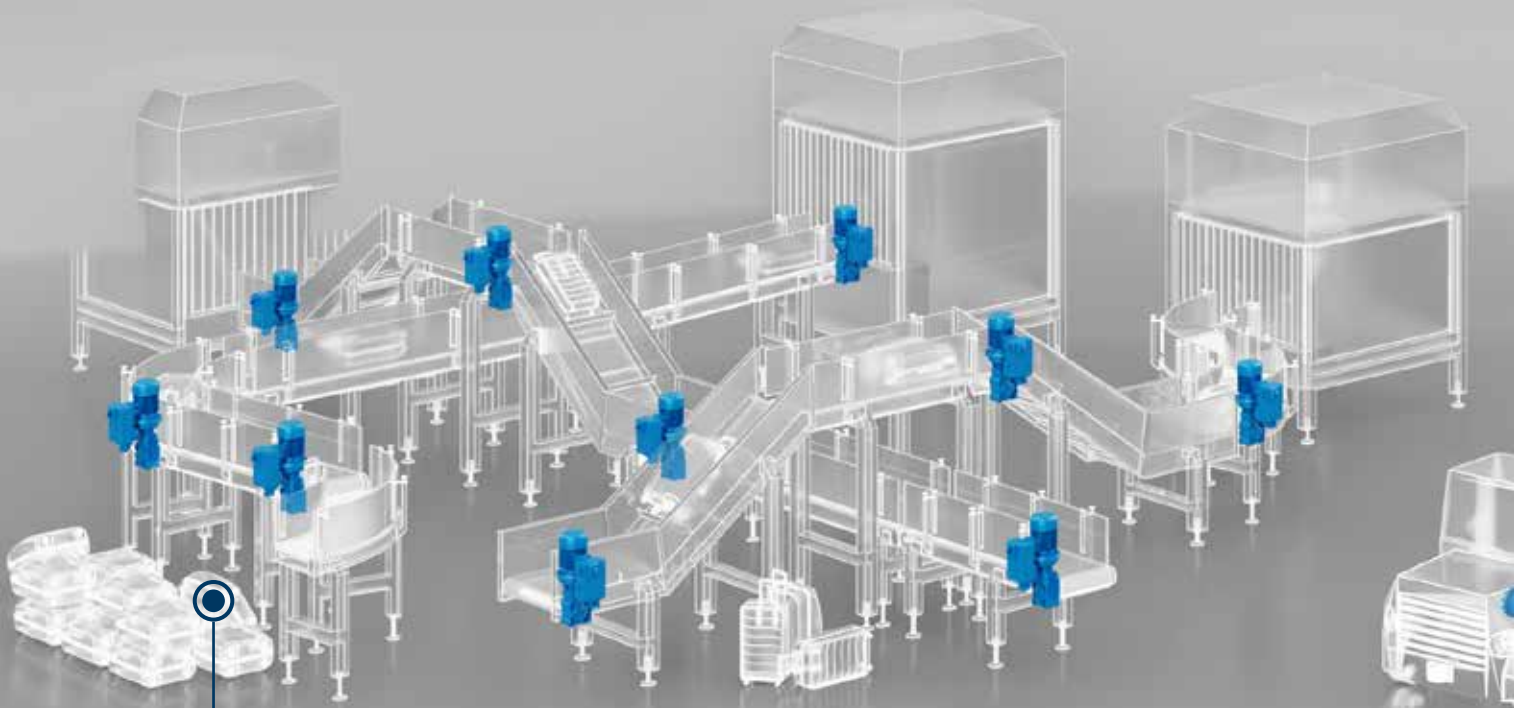
BENEFITS

FEATURES

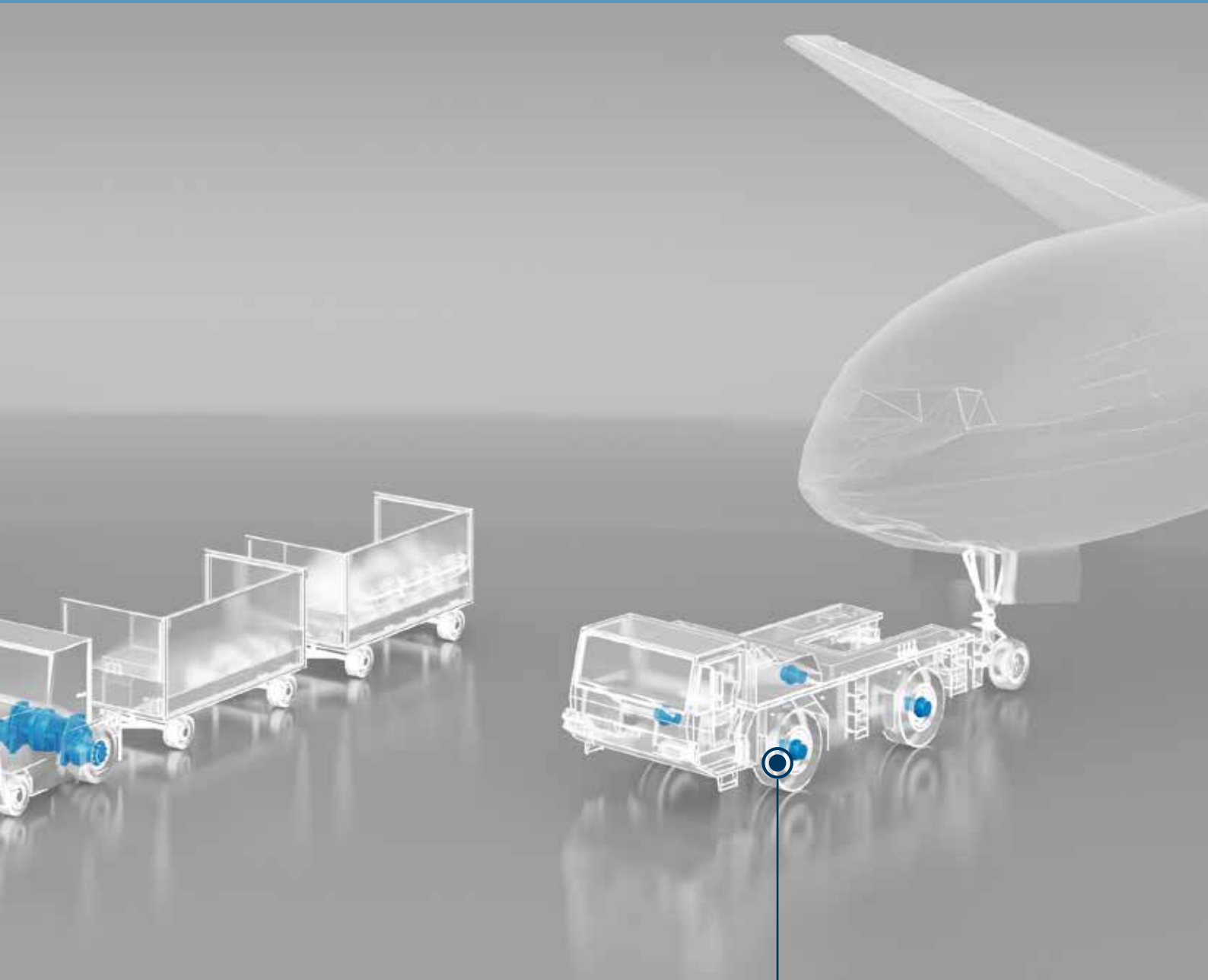
- Three gearmotor sizes, rated for loads up to: 360kg, 720kg and 1020kg
- Speed up to 2 m/s
- New wheel-mounted precision planetary gearbox: TQW
- Permanent Magnet Synchronous Motors with premium efficiency
- Wide range of feedback systems, including safety encoders
- Compact design, extensively customizable

TECHNICAL DATA

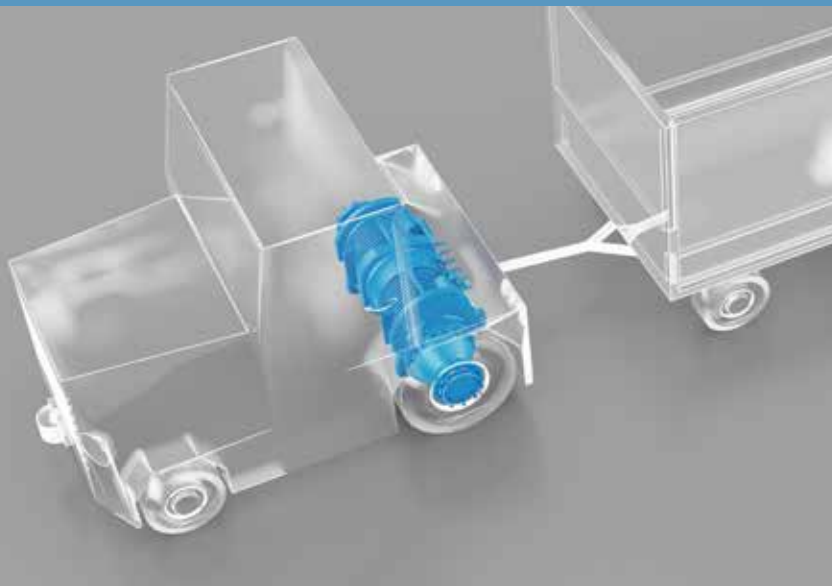
	Torque (Nm)
TQW 060	30
TQW 070	65
TQW 090	155



2 BAGGAGE CLAIM CONVEYORS



1 TOW TRACTORS



1

TOW TRACTORS

Bonfiglioli supplies high efficiency, low noise axles with integrated, high performance electric motors and low maintenance braking systems for ground support equipment (Industrial Trucks Class VI, electric type) and other electric material handling machinery used at airports. Bonfiglioli electric axles are fully tested in the factory. All drives guarantee reduced energy consumption, this means longer battery operating times, extended service intervals and a lower total cost of ownership.



600F Series TractionSystems

BENEFITS

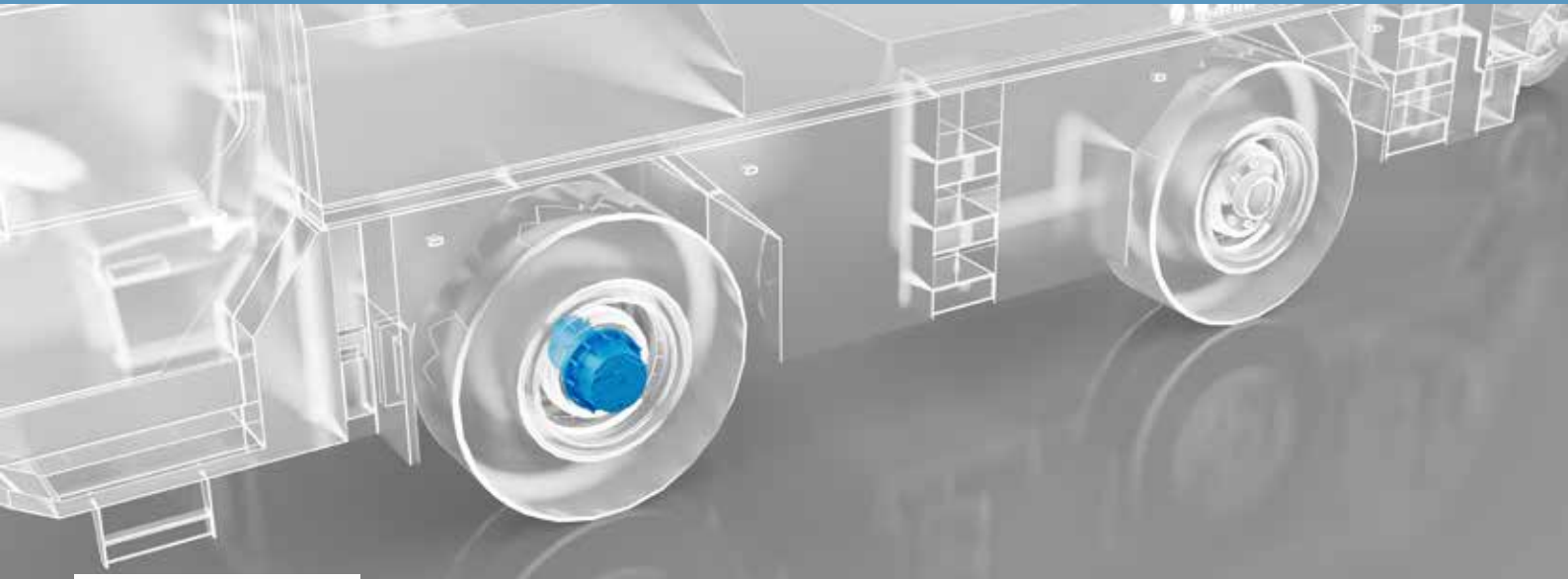
- Maximum efficiency
- Minimum noise
- Complete solution
- Fully tested

FEATURES

- Dual stage gearbox
- Optimized gear design
- Service brake
- Parking brake
- Integrated, customized mast support
- Integrated AC traction motor protection rating up to IP54
- Integrated, high accuracy, silicon-based KTY temperature sensor
- Integrated, high resolution hall effect speed sensor

TECHNICAL DATA

	Torque (Nm)	Max draw bar pull force (kN)
600 D	1,000	5 ... 8
601 F	3,000	9 ... 14
602 F	5,500	15 ... 18
603 F	7,000	20 ... 30



600W Series Wheel Drives

BENEFITS

Benefits for OEMs

- Ability to downsize and downspeed combustion engines
- Easy installation: electric solution dimensions comparable to standard hydrostatics
- Higher system reliability: fewer mechanical parts
- Virtually maintenance-free electric motors
- From wheel bolt to electric wire with only one supplier

Benefits for end users

- Reduced fuel consumption
- Increased productivity
- Better machine manoeuvrability
- The electric solution is cleaner: lower risk of oil spills

FEATURES

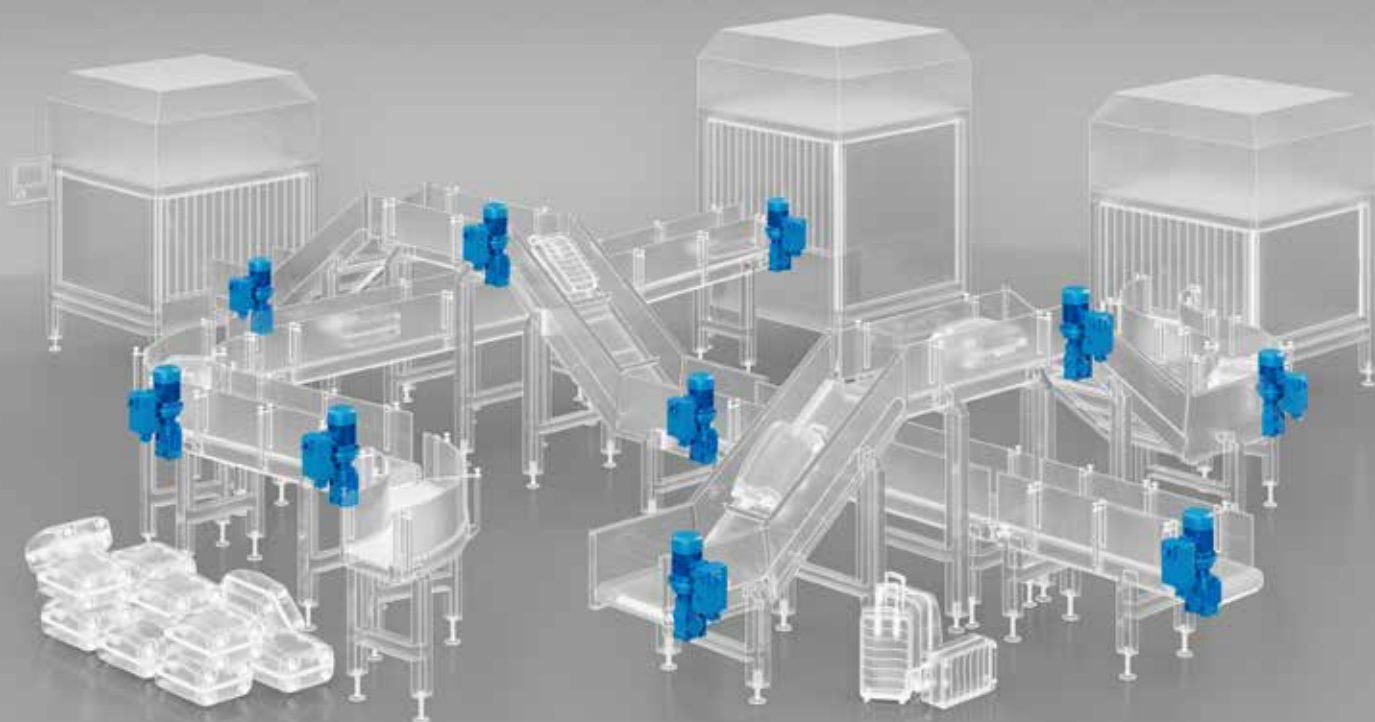
- Multi-stage planetary gearbox
- Rotating housing output
- Validated in the field

- Permanent magnet motors
- Suitable for batteries 400 - 700Vdc
- Liquid cooled
- Aluminium or cast iron housing
- Protection rating >IP54

TECHNICAL DATA

	Torque (Nm)
605 W..V..	10,000
606 W..V	17,000
607 W..V	22,000
609 W..V	30,000
610 W..V	36,000
610 X	40,000
611 W..V	45,000
613 W..V	60,000

	Rated power (kW)
BTM 240-L1	20
BTM 240-L2	35
BTM 240-L3	65
BTM 300-L1	100
BTM 300-L2	150



2

BAGGAGE CLAIM CONVEYORS

Our solution provides a complete drive transmission package, from the gearbox to the inverter.

For baggage claim conveyors, our range is based on bevel gearboxes, always in combination with our IE3 electric motor and decentralized inverters.

In this kind of applications where high efficiency is required, we can offer our synchronous reluctance motor with IE4 efficiency.



A Series

Helical Bevel Gearmotors & Units

BENEFITS

- Torque density
- Compact design
- Wide choice of speeds

FEATURES

- Shaft mounting with hollow shaft and torque arm or shrink disk
- Horizontal or vertical mounting position
- Motor power from 0.37 to 11 kW
- Reinforced bearings available as an option
- Reduced backlash as an option



BSR Series

Synchronous Reluctance Motors

- Torque density
- Compact design
- Wide choice of speeds
- Universal mounting position

- IE3/IE4 green solution
- High torque level
- Wide range of options and flanges

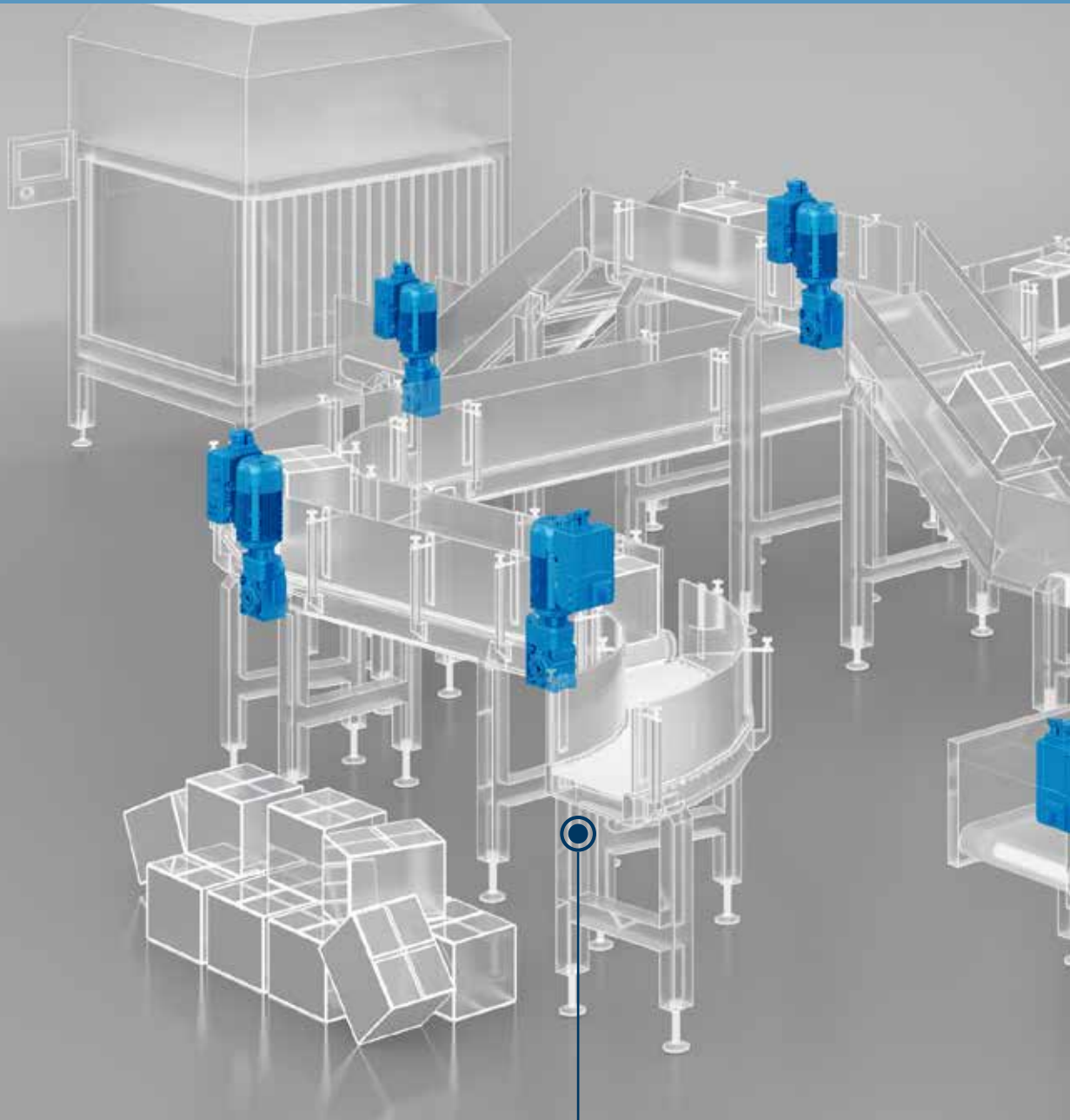


DGM Series

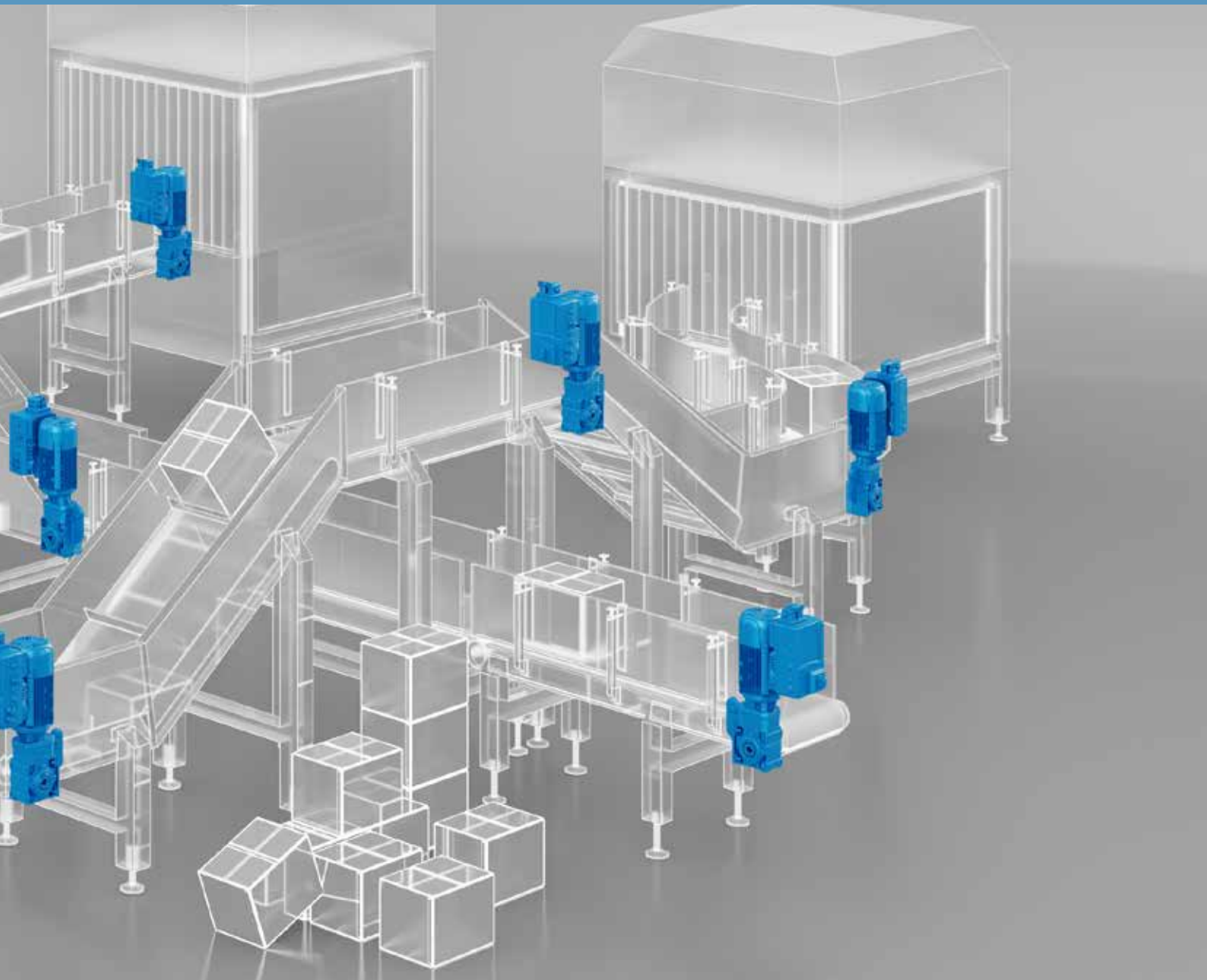
Decentralized Inverter

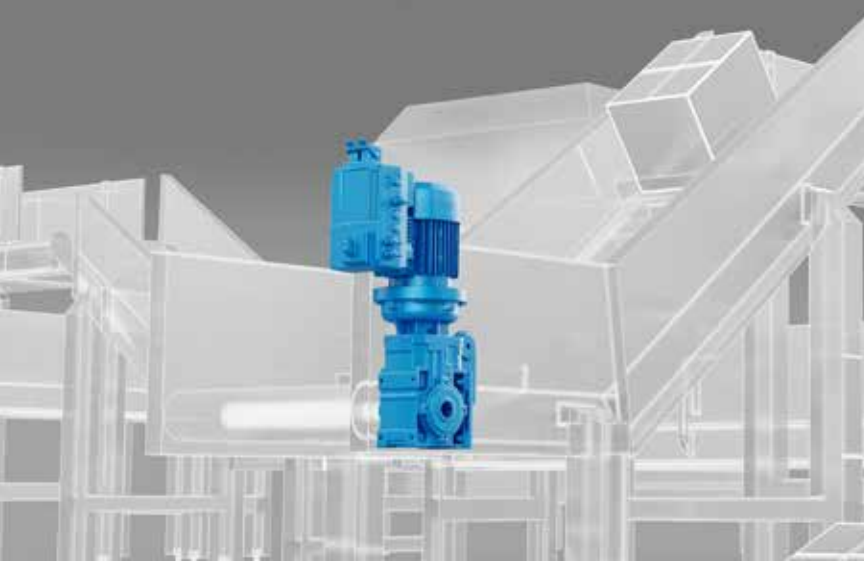
- Wide range of kW from 0.55 to 30kW
- Ethernet stack to manage with 1 product code: Profinet, Ethernet IP, Sercos3, Ethercat
- Motor brake management

- IP65 Inverter
- Reduction of electrical wiring
- Management of asynchronous motor, reluctance synchronous



1 **POSTAL HANDLING SOLUTIONS**



**1****POSTAL HANDLING SOLUTIONS**

Our solution provides a complete drive transmission package, from the gearbox to the inverter. For baggage claim conveyors, our range is based on bevel gearboxes, always in combination with our IE3 electric motor and decentralized inverters. In this kind of applications where high efficiency is required, we can offer our synchronous reluctance motor with IE4 efficiency.

**A Series****Helical Bevel Gearmotors & Units**

- Torque density
- Compact design
- Wide choice of speeds

**BSR Series****Synchronous Reluctance Motors**

- Torque density
- Compact design
- Wide choice of speeds
- Universal mounting position

**DGM Series****Decentralized Inverter**

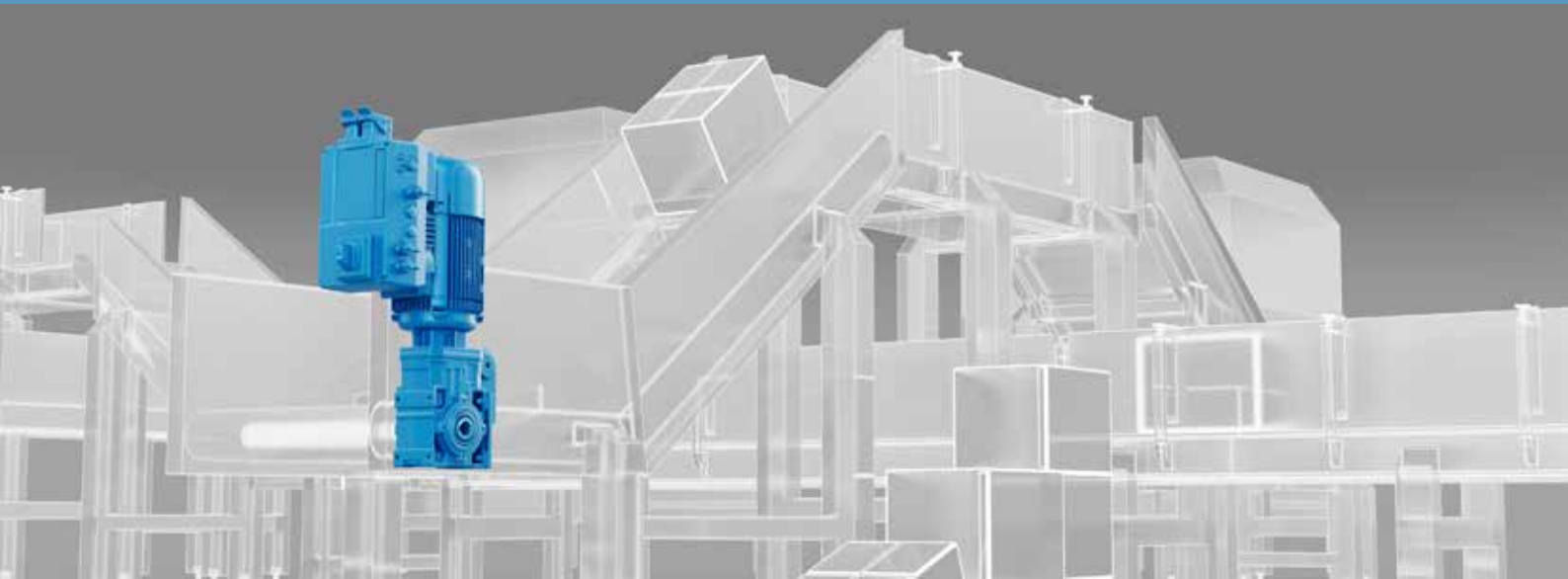
- Wide range of kW from 0.55 to 30kW
- Ethernet stack to manage with 1 product code: Profinet, Ethernet IP, Sercos3, Ethercat
- Motor brake management

BENEFITS**FEATURES**

- Shaft mounting with hollow shaft and torque arm or shrink disk
- Horizontal or vertical mounting position
- Motor power from 0.37 to 11 kW
- Reinforced bearings available as an option
- Reduced backlash as an option

- IE3/IE4 green solution
- High torque level
- Wide range of options and flanges

- IP65 Inverter
- Reduction of electrical wiring
- Management of asynchronous motor, reluctance synchronous



A Series

Helical Bevel Gearmotors & Units

- Torque density
- Compact design
- Wide choice of speeds



MXN Series

Asynchronous Motors

- Motor efficiency class up to IE3
- Reliable, balanced and robust
- Complete solution (gear unit + Motor)
- Energy saving solution
- Compliant with the most of the efficiency standards



DGM Series

Decentralized Inverter

- Wide range of kW from 0.55 to 30kW
- Ethernet stack to manage with 1 product code: Profinet, Ethernet IP, Sercos3, Ethercat
- Motor brake management

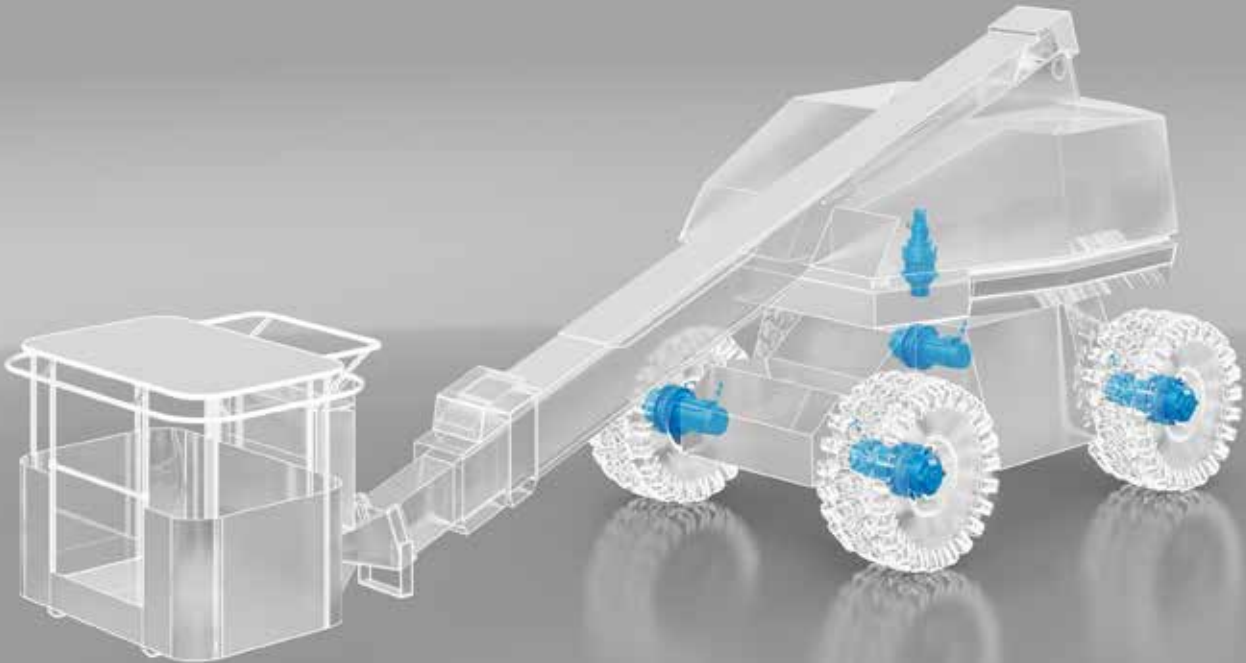
BENEFITS

FEATURES

- Shaft mounting with hollow shaft and torque arm or shrink disk
- Horizontal or vertical mounting position
- Motor power from 0.37 to 11 kW
- Reinforced bearings available as an option
- Reduced backlash as an option

- Power range: up to 355 kW
- Built in brakes available for all power/ sizes
- Thermal protection: KTY, PTC, bimetal switches
- Forced ventilation
- Anti-condensate heaters
- Rotor balancing
- Second shaft extension
- Anti corrosive paintings up to C5M
- Tropicalization
- Degree of protection up to IP56

- IP65 Inverter
- Reduction of electrical wiring
- Management of asynchronous motor, reluctance synchronous



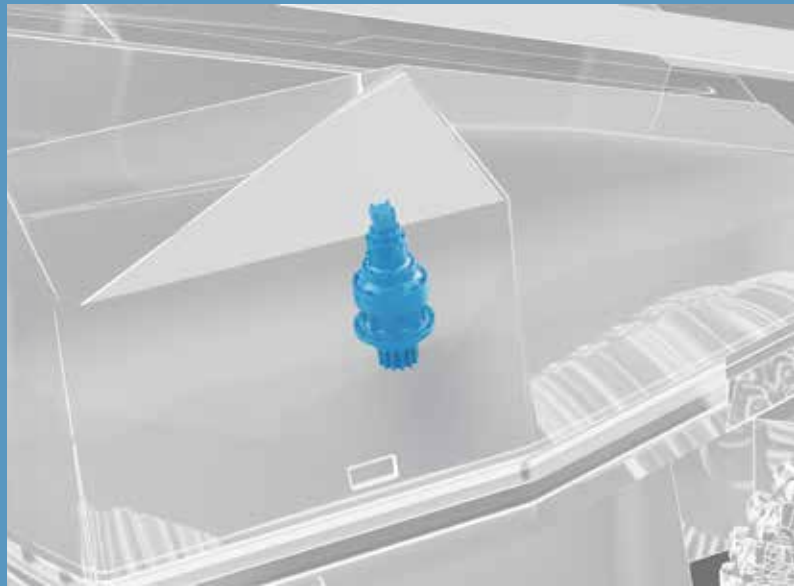
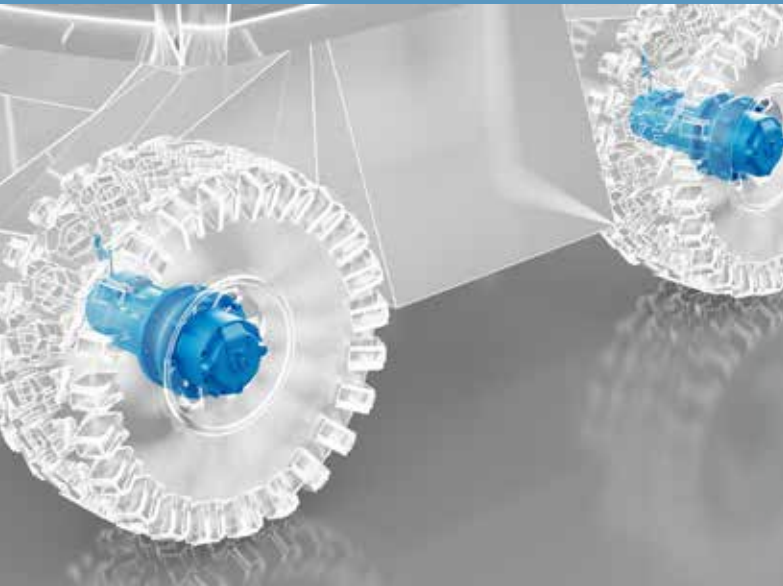
ACCESS PLATFORMS

Wheel drives

With a reliable series of products made for access platforms, Bonfiglioli gives machine builders the best possible choice of drive systems. The compact, silent, highly efficient and maintenance-free integrated drive motors are excellent with access platforms for indoor and outdoor use.

Slew drives

Bonfiglioli slew drives are the most effective solution for both hydraulic and electric access platforms.



600WE Series
Wheel Drives



700T Series
Slew Drives

BENEFITS

- Compact dimensions
- Low noise
- High efficiency
- Maintenance-free motors

- Rugged construction
- Flange mounted
- High torque capacity

FEATURES

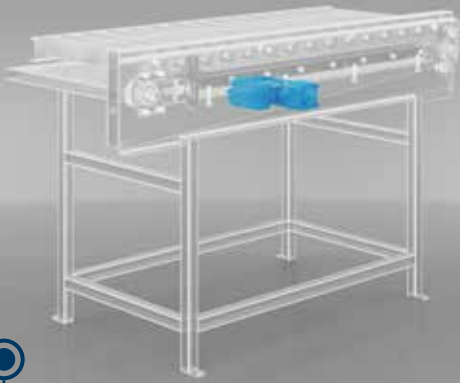
- Two- or three-stage planetary drive with reduction ratios of up to 1:145
- Optimized gear design for maximum efficiency and minimum noise
- Integrated, low voltage, 3-phase induction motor
- Integrated, high accuracy, temperature sensor
- High resolution, hall-effect speed sensor
- Motor protection rating up to IP67

- Driven by hydraulic or electric motor
- Output shaft with pinion
- Compact design
- Wide range of pinions
- Including brake, wet disc or electromagnetic

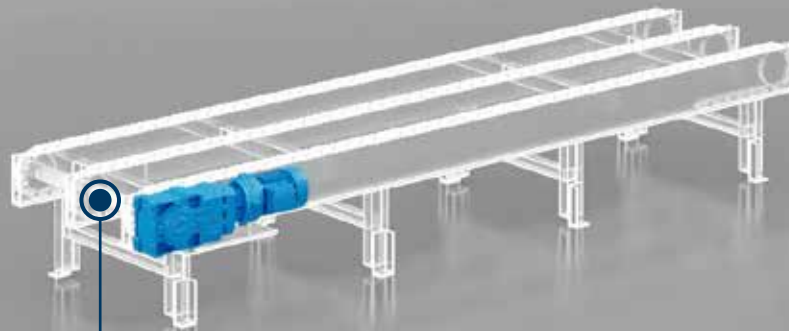
TECHNICAL DATA

	Torque (Nm)
600 WL	500
600 WE	900
601 RE	3,000
602 RE	3,500
602 WE	4,500
604 WE	7,000
605 WE	10,000

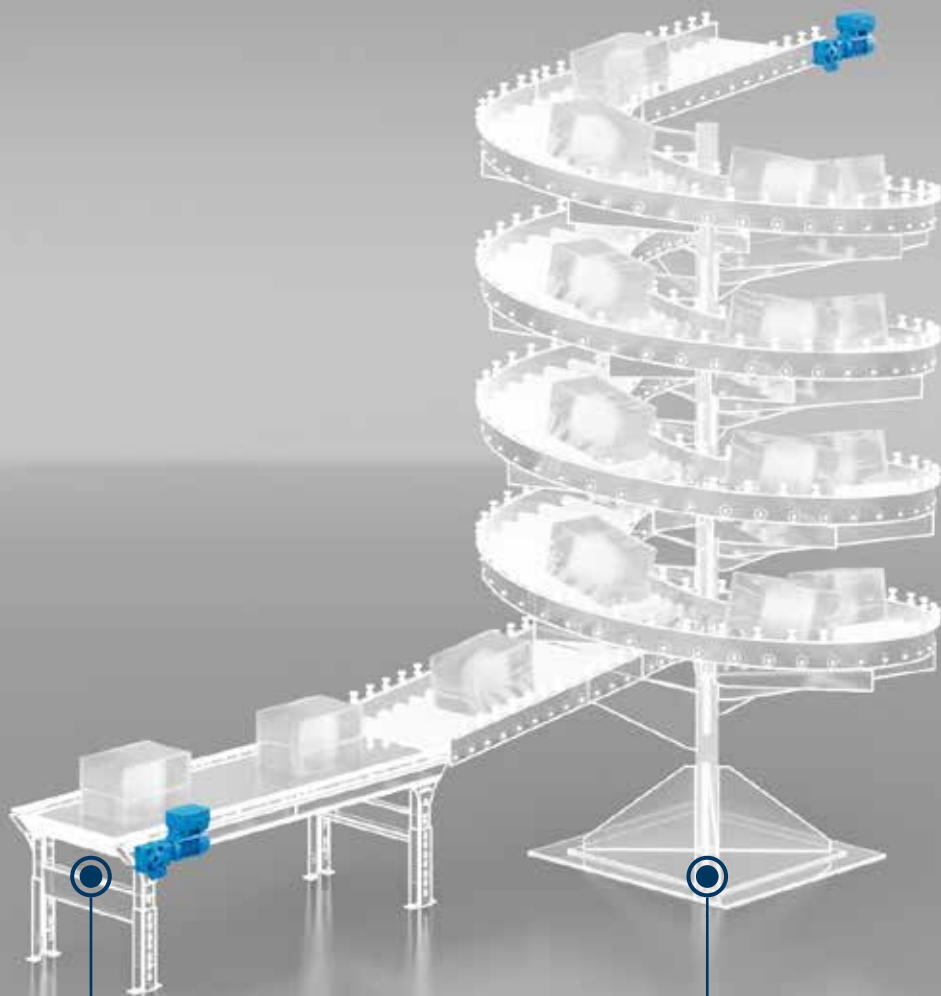
	Torque (Nm)
700 T F	1,200
701 T F	2,400
703 T F	3,500
705 T F	6,500



1 ROLLER CONVEYORS



3 CHAIN CONVEYORS



2 BELT CONVEYORS

4 SPIRAL CONVEYORS

1**ROLLER CONVEYORS**

Bonfiglioli provides a complete drive transmission package, from the gearbox to the decentralized inverter. In roller conveyors, our solution is based on coaxial gearbox or orthogonal gearboxes with bevel gear, always combined with our compact IE3 electric motor and the IP65 DGM MPM inverter.

**EVOX Series**

Helical In-Line Gearbox

**MXN Series**

Asynchronous Motors

**DGM Series**

Decentralized Inverter

BENEFITS

- Torque density
- Compact design
- Wide choice of speeds
- Universal mounting position
- Long-life lubricated

- Compact design
- Wide choice of speeds
- Universal mounting position
- Feedback device (encoder) available as option

- Wide range of kW from 0.55 to 30kW
- Ethernet stack to manage with 1 product code: Profinet, Ethernet IP, Sercos3, Ethercat
- Motor brake management

FEATURES

- Wide range of bolt-on output flanges
- Motor power from 0.37 to 11 kW
- Reinforced bearings available as an option

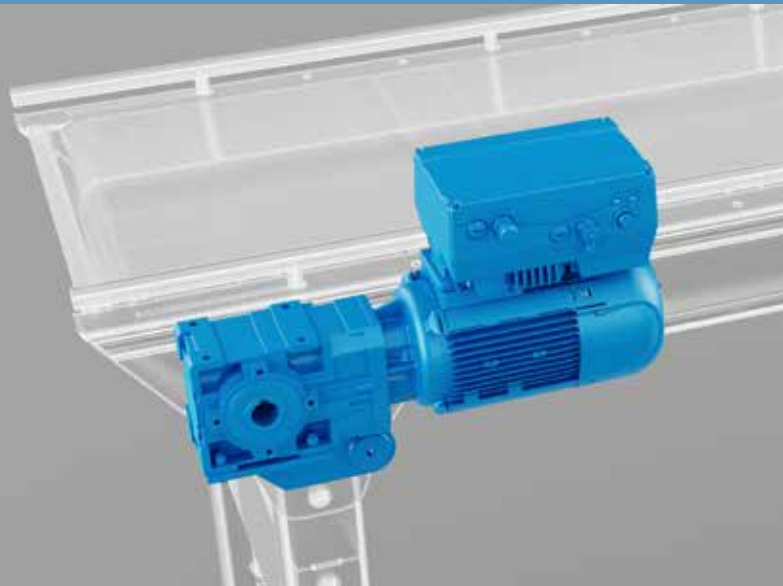
- IE3 solution
- Wide range of options and flanges

- IP65 Inverter
- Reduction of electrical wiring
- Management of asynchronous motor, reluctance synchronous

2

BELT CONVEYORS

Bonfiglioli provides a complete drive transmission package, from the gearbox to the decentralized inverter. In roller conveyors, our solution is based on coaxial gearbox or orthogonal gearboxes with bevel gear, always combined with our compact IE3 electric motor and the IP65 DGM MPM inverter. In applications where high efficiency is required, we can offer our synchronous reluctance motor with IE4 efficiency.



A Series

Helical Bevel Gearmotors & Units

- Torque density
- Compact design
- Wide choice of speeds



BSR Series

Synchronous Reluctance Motors

- Torque density
- Compact design
- Wide choice of speeds
- Universal mounting position



DGM Series

Decentralized Inverter

- Wide range of kW from 0.55 to 30kW
- Ethernet stack to manage with 1 product code: Profinet, Ethernet IP, Sercos3, Ethercat
- Motor brake management

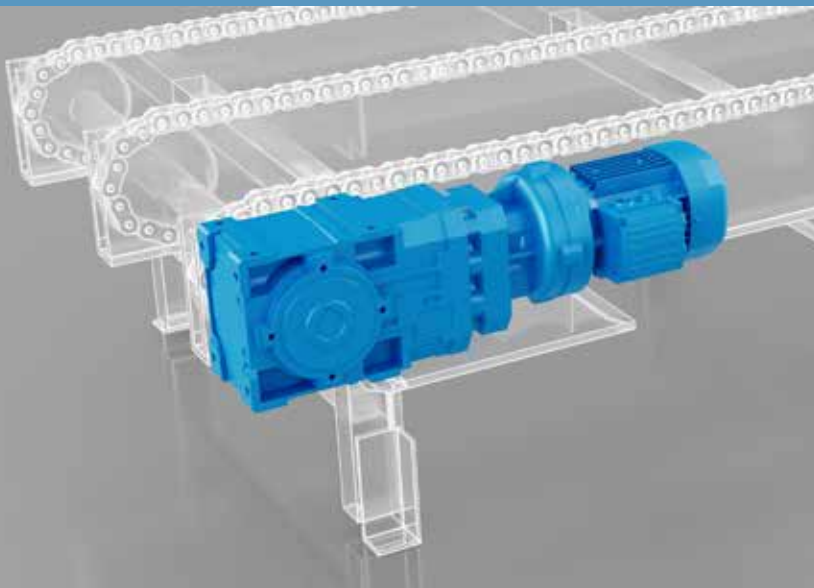
BENEFITS

FEATURES

- Shaft mounting with hollow shaft and torque arm or shrink disk
- Horizontal or vertical mounting position
- Motor power from 0.37 to 11 kW
- Reinforced bearings available as an option
- Reduced backlash as an option

- IE3/IE4 green solution
- High torque level
- Wide range of options and flanges

- IP65 Inverter
- Reduction of electrical wiring
- Management of asynchronous motor, reluctance synchronous



3

CHAIN CONVEYORS

Chain conveyors are used in many industries to transport all kinds of material: metal, mining, coal, chemical, food, ports and others.

Bonfiglioli knows how to size the correct solution, taking loads and all other specific needs into account.

Our range runs from harsh and explosive atmospheres to food contact environments, offering a wide range of gearmotors and inverters.



A Series

Helical In-Line Gearbox and Geared Motor

- Torque density
- Compact design
- Wide choice of speeds



MXN Series

Asynchronous Motors

- Compact design
- Wide choice of speeds
- Universal mounting position
- Feedback device (encoder) available as option



Agile Series

Smart inverter

- Smooth start
- Variable "cut position" for smaller particles
- Energy saving function: current consumption redirection during start phase

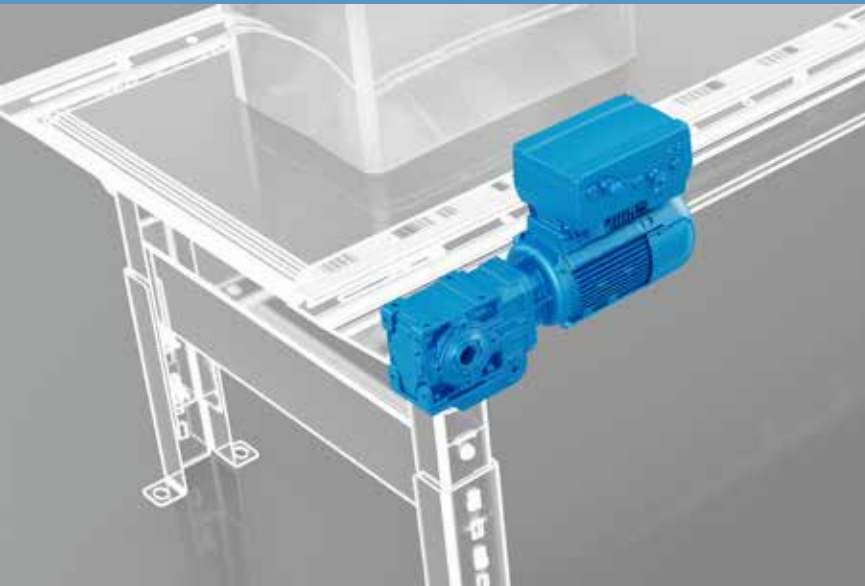
BENEFITS

FEATURES

- Shaft mounting with hollow shaft and torque arm or shrink disk
- Horizontal or vertical mounting position
- Motor power from 0.37 to 11 kW
- Reinforced bearings available as an option
- Reduced backlash as an option

- IE3 solution
- Wide range of options and flanges

- Series optionally extendable for field bus communication
- Sensorless control of synchronous and asynchronous motors
- Modbus and Systembus onboard
- DC link connection
- Integrated brake chopper
- Power failure control
- Programmable PI Controller
- Integrated VPLC
- Master/slave function with electronic gear
- Integrated safe torque off STO (SIL 2 / PL d) function
- Energy Saving function
- Intelligent current limits
- Output frequency 0...599 Hz, higher frequencies on request
- Diagnosis and setup via integrated keypad and integrated Service interface for PC connection



4

SPIRAL CONVEYORS

Our solution consists of a complete drive transmission package, from the gearbox to the decentralized inverter. For spiral conveyors, our range is based on bevel gearboxes, always in combination with our IE3 electric motor and our internal panel inverters.

In applications where high efficiency is required, we can offer our synchronous reluctance motor with IE4 efficiency



A Series

Helical Bevel Gearmotors & Units

- Torque density
- Compact design
- Wide choice of speeds



MXN Series

Asynchronous Motors

- Compact design
- Wide choice of speeds
- Universal mounting position
- Feedback device (encoder) available as option



DGM Series

Decentralized Inverter

- Wide range of kW from 0.55 to 30kW
- Ethernet stack to manage with 1 product code: Profinet, Ethernet IP, Sercos3, Ethercat
- Motor brake management

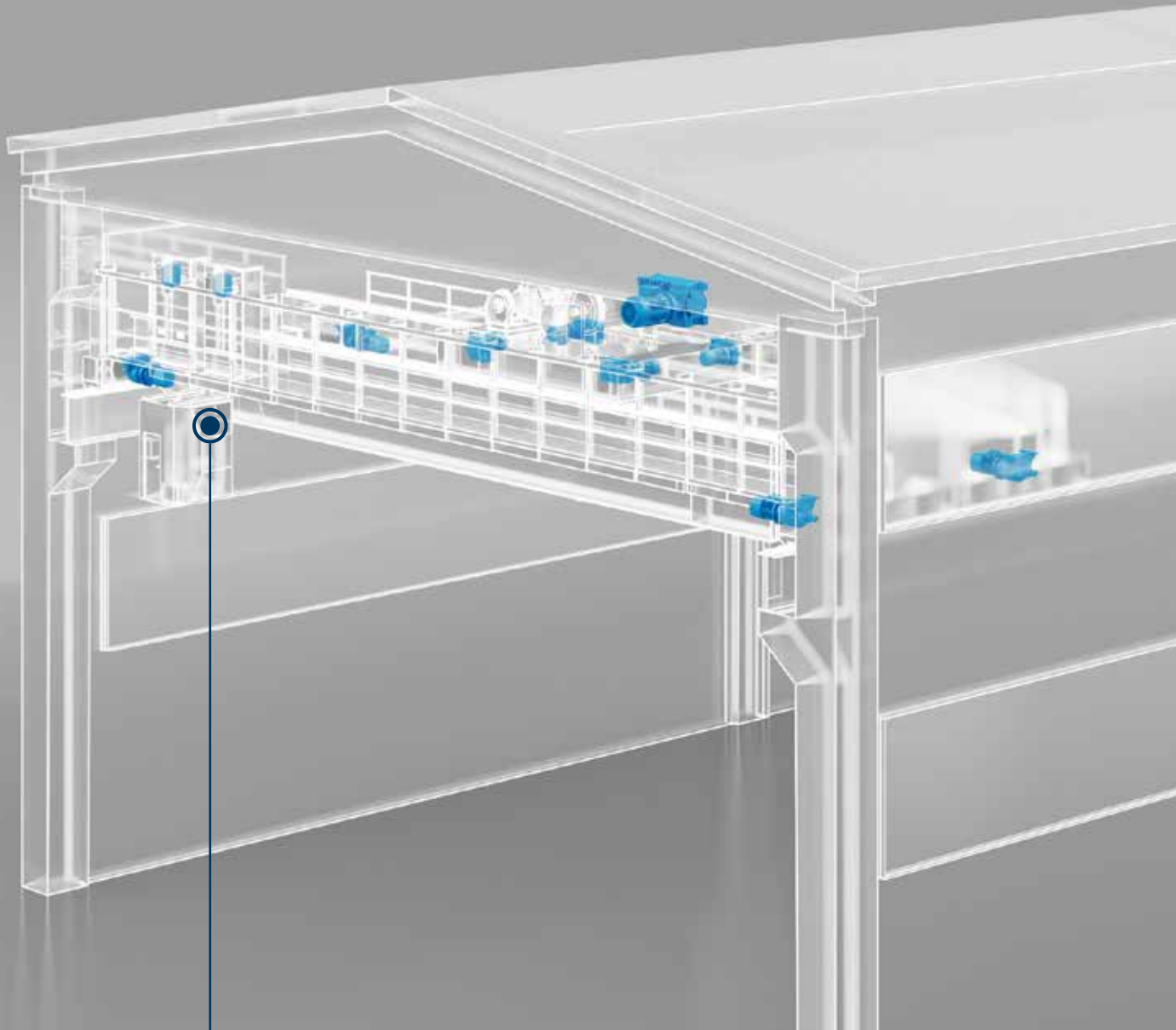
BENEFITS

FEATURES

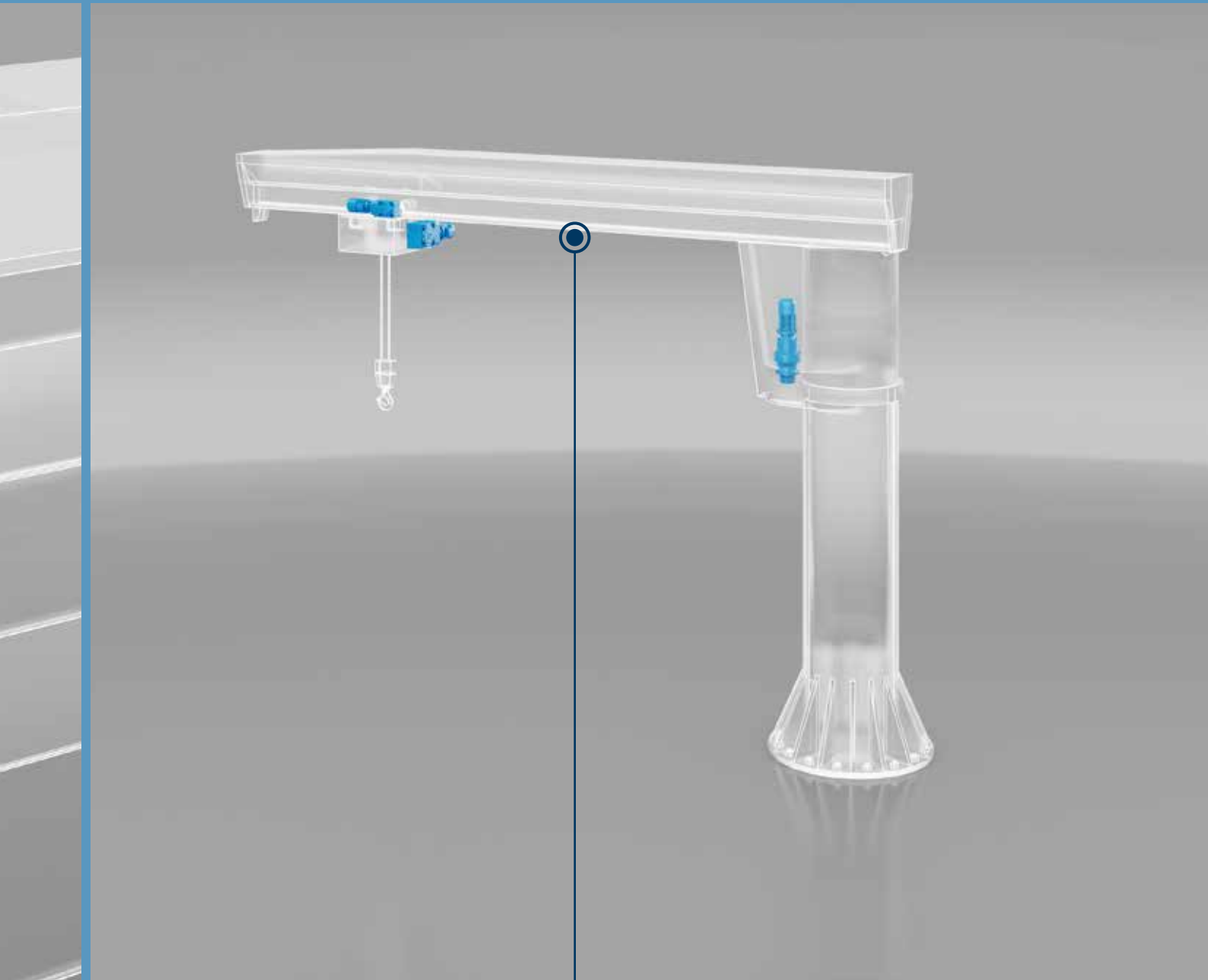
- Shaft mounting with hollow shaft
- Horizontal or vertical mounting position
- Motor power from 0.25 to 3 kW

- IE3 solution
- Wide range of options and flanges

- IP65 Inverter
- Reduction of electrical wiring
- Management of asynchronous motor, reluctance synchronous



1 OVERHEAD CRANES



2 JIB CRANES

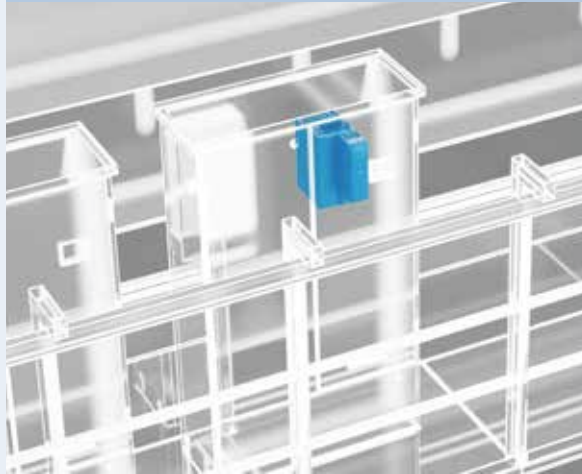
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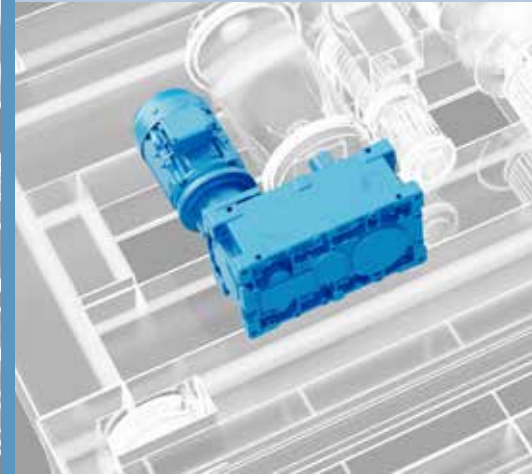
OVERHEAD CRANES

Components in overhead indoor cranes have strict space-optimization requirements. Thanks to the mounting flexibility and compactness of our products, our customers will always find the solution that best meets their space requirements. To further increase efficiency, Bonfiglioli can also provide regenerative units to save the energy generated when lowering loads.

MOTION CONTROL



HOIST DRIVE



Active Cube & AEC Series Premium Frequency Inverters and Regenerative Units

BENEFITS

- Drive control highly customizable
- Great operational safety
- Higher productivity
- Increased service life of the crane
- Easy installation
- Lower total cost of ownership

FEATURES

- Power Range: 0.37...1200 kW
- Open & closed loop field oriented control
- Master/Slave control and communication protocols
- PLC with integrated functionalities
- Coated boards
- STO Functional Safety
- Multi drive synchronisation and torque control
- Advanced brake control
- Brake chopper
- DC link connection for energy sharing
- Energy recovery braking (recovered electricity can be sent back to the grid)
- Energy consumption optimization (AEC/B)
- Mains unit (AEC/S)



HDP Series Heavy Duty Geared Motor (Helical-Parallel)

- Robustness
- Reliability in harsh working conditions and wide range of temperature
- Space effective U-shape arrangement
- High overhung load capacity
- Tailored service and warranty plans
- Pre-sales and product definition support according to the material handling and lifting standards

- Double input and output shaft
- Wide range of ratios
- Transmissible torque up to 210.000 Nm
- IEC or NEMA motor flange
- Safety solutions according to the customer requirements
- Wide range of motion control solutions
- Availability of different grade of protection

CROSS TRAVEL DRIVE



LONG TRAVEL DRIVE



F Series
Shaft Mounted
Gearbox

BENEFITS

- High efficiency
- Reliability and robustness
- Compactness
- Low maintenance



300M Series
Planetary Geared
Motor

FEATURES

- Power range: up to 55 kW
- Shaft mounted solution with different output configurations
- Housing integrated torque arm design and anti-vibration kits
- Wide range of ratios
- Space-saving compact motor design
- Availability of different grade of protection
- Compact or IEC/NEMA flanged motor adaptors

- Robustness
- Reliability in harsh working conditions & wide range of temperature
- High torque density
- Modularity
- High overhung load capacity

- Widest range of ratios
- Easy to fit output pinion
- IEC or NEMA motor flange
- Wide range of motion control solutions
- Availability of different grades of protection



BX Series
Asynchronous IE3
Three Phase Motor

- Motor efficiency class up to IE3
- Reliable, balanced and robust
- Complete solution (gear unit + Motor)
- Energy saving solution
- Compliant with the most of the efficiency standards

- Power range: up to 355 kW
- Built in brakes available for all power/sizes
- Thermal protection: KTY, PTC, bimetal switches
- Forced ventilation
- Anti-condensate heaters
- Rotor balancing
- Second shaft extension
- Anti corrosive paintings up to C5M
- Tropicalization
- Degree of protection up to IP56



BX HD Series
Asynchronous IE3
Three Phase motor

- Robustness
- Long lifetime
- Wide power range
- Energy saving
- Compliant to all the MEPS
- Complete solution (gear unit + motor)
- Control flexibility
- Global motor that can be used in most of the markets

- Standard IP55 also for brakemotors
- Cast iron housing
- Inverter duty ready
- SPM measurement
- Certified motor (DOE, NRCAN, CCC...)

2

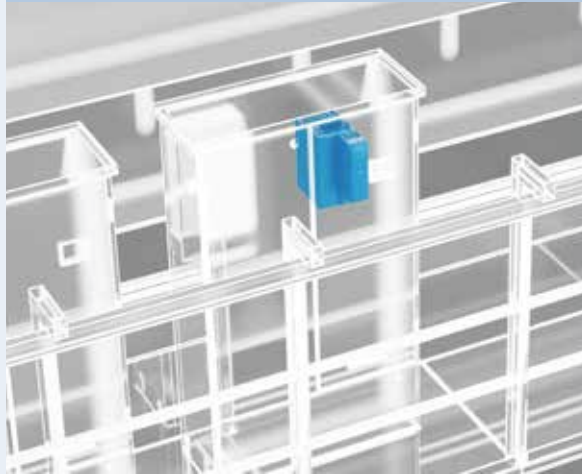


JIB CRANES

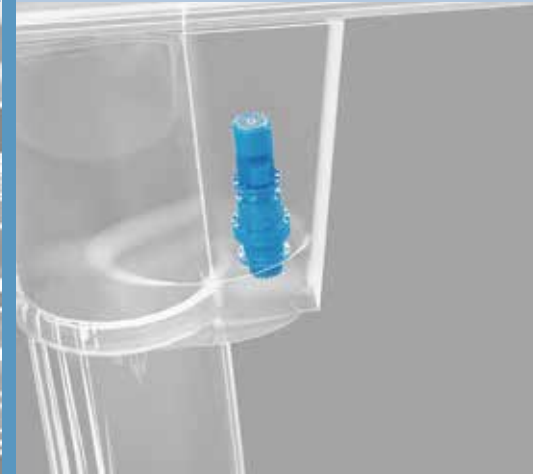
Bonfiglioli solutions for horizontal and low handling applications are cost-effective, compact and reliable.

Our products are designed to meet and exceed the demanding requirements for these cranes: from the high radial loads, of the slew drive to the precision necessary in the hoisting speed control and finally the dynamics of the cross travel drive.

MOTION CONTROL



SLEW DRIVE



Active Cube & AEC Series Premium Frequency Inverters and Regenerative Units

BENEFITS

- Drive control highly customizable
- Great operational safety
- Higher productivity
- Increased service life of the crane
- Easy installation
- Lower total cost of ownership

FEATURES

- Power Range: 0.37...1200 kW
- Open & closed loop field oriented control
- Master/Slave control and communication protocols
- PLC with integrated functionalities
- Coated boards
- STO Functional Safety
- Multi drive synchronisation and torque control
- Advanced brake control
- Brake chopper
- DC link connection for energy sharing
- Energy recovery braking (recovered electricity can be sent back to the grid)
- Energy consumption optimization (AEC/B)
- Mains unit (AEC/S)

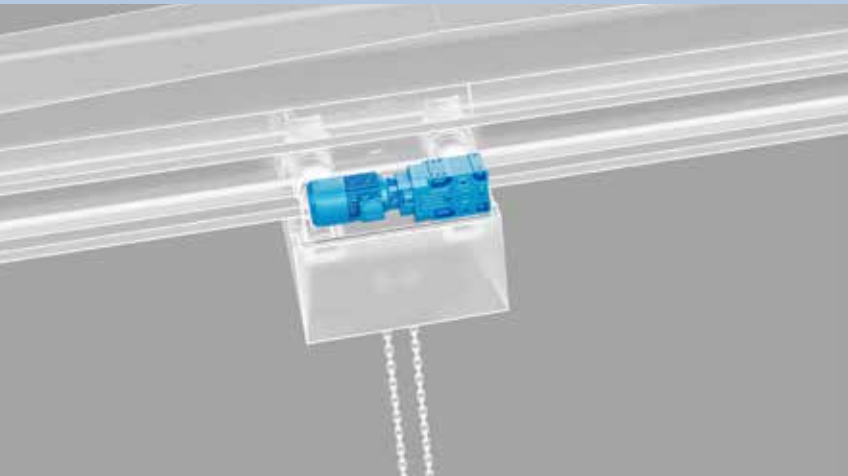


300M Series Planetary Geared Motor

- Robustness
- Reliability in harsh working conditions and wide range of temperature
- High torque density
- Modularity
- High overhung load capacity

- Widest range of ratios
- Easy to fit output pinion
- IEC or NEMA motor flange
- Wide range of motion control solutions
- Availability of different grades of protection

TRAVEL DRIVE & HOIST DRIVE



A Series

Helical Bevel Geared Motor

BENEFITS

- High efficiency
- Reliability and robustness
- Compactness
- Low maintenance
- Space effective & compactness with right angle arrangement

FEATURES

- Power range: up to 55 kW
- Shaft mounted solution with different output configurations
- Torque arm and anti-vibration kits
- Wide range of ratios
- Space-saving compact motor design
- Compact or IEC/NEMA Flanged motor adaptors
- Availability of different grades of protection



BX Series

Asynchronous IE3 Three Phase Motor

- Motor efficiency class up to IE3
- Reliable, balanced and robust
- Complete solution (gear unit + Motor)
- Energy saving solution
- Compliant with the most of the efficiency standards

- Power range: up to 355 kW
- Built in brakes available for all power/sizes
- Thermal protection: KTY, PTC, bimetal switches
- Forced ventilation
- Anti-condensate heaters
- Rotor balancing
- Second shaft extension
- Anti corrosive paintings up to C5M
- Tropicalization
- Degree of protection up to IP56



BX HD Series

Asynchronous IE3 Three Phase motor

- Robustness
- Long lifetime
- Wide power range
- Energy saving
- Compliant to all the MEPS
- Complete solution (gear unit + motor)
- Control flexibility
- Global motor that can be used in most of the markets

- Standard IP55 also for brakemotors
- Cast iron housing
- Inverter duty ready
- SPM measurement
- Certified motor (DOE, NRCAN, CCC...)

OUR GLOBAL PRESENCE

Thanks to an international network of closely interconnected commercial and production sites, we can guarantee the same high standards of Bonfiglioli quality anywhere at any given time. We know that our direct presence in local markets is the key to long-lasting success, so our family includes 18 production sites, 23 commercial sites and more than 550 distributors around the world.

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



18

PRODUCTION SITES



23

COMMERCIAL SITES



80

COUNTRIES



550

DISTRIBUTORS



~4,700

PEOPLE

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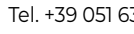
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We have a relentless commitment to excellence, innovation & sustainability. Our team creates, distributes and services world-class power transmission & drive solutions to keep the world in motion.

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