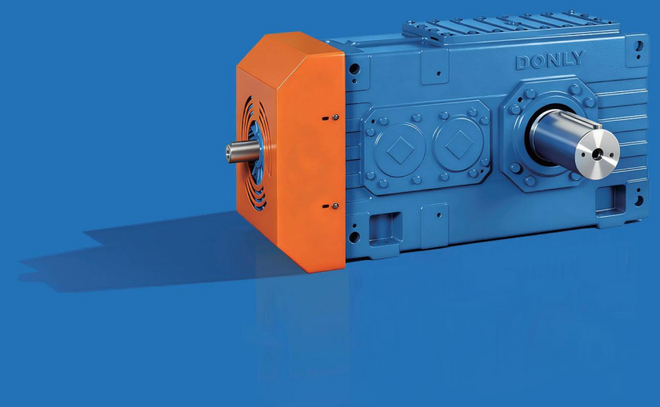
DONLY



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DONLY Introduction

NINGBO **DONLY** Co., Ltd. was established in 1993 and listed in 2007, becoming the first A-share listed company in China's gear industry. Its core subsidiary, NINGBO **DONLY** Transmission Equipment Co., Ltd., is a National High-Tech Enterprise, a National Manufacturing Single Champion Demonstration Enterprise, and a National Green Factory, and has won the Ningbo Municipal People's Government Quality Award.

In 2021, with the establishment of a provincial enterprise research institute and a national post-doctoral workstation, high power density gearboxes for metallurgy were successfully developed and mass-produced, marking **DONLY** capability to provide customers with full-scene, customized product solutions. From standard gearboxes and motors to 176-ton hot strip mill edger gearboxes and 10,000kW high-voltage permanent magnet synchronous motors, they all share common characteristics - high quality, high efficiency, high reliability, and long service life.

The continuously improving product scope meets the needs of customers across various industries. Products are widely used in metallurgy, building materials, mining, ports & cranes, rubber & plastics, logistics, robotics, and other fields, and are exported to over 60 countries and regions.

Looking to the future, **DONLY** focuses on transmission and high-end applications, striving to become a world-famous brand in transmission.



DR/DF/DK/DS Series Gearmotors

DR Series Helical Gearmotors



Features:

- Coaxial arrangement of motor and gearbox, two-stage or three-stage cylindrical helical gear transmission
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- High-precision modular design with fine ratio increments
- Flange mounting and foot mounting options, with solid output shaft
- Compact structure, mountable in six spatial orientations to meet diverse requirements

Technical Data:

- Size range: 17 - 167
- Power range: 0.12 - 160 kW
- Output speed: 0.05 - 973 rpm
- Output torque: 50 - 20,000 Nm

Application Fields:

- Gearmotors are widely used in automation, logistics conveying, lifting equipment, packaging machinery, environmental protection equipment, grain and oil feed machinery, etc.

DF Series Parallel Shaft Helical Gearmotors



Features:

- Parallel shaft arrangement of motor and gearbox, two-stage or three-stage cylindrical helical gear transmission
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- High-precision modular design with fine ratio increments
- Flange, foot, and torque arm mounting options, with solid or hollow output shaft
- Compact structure, mountable in six spatial orientations to meet diverse requirements

Technical Data:

- Size range: 27 - 157
- Power range: 0.12 - 200 kW
- Output speed: 0.1 - 752 rpm
- Output torque: 130 - 20,000 Nm

Application Fields:

- Gearmotors are widely used in automation, logistics conveying, lifting equipment, packaging machinery, environmental protection equipment, grain and oil feed machinery, etc.

DR/DF/DK/DS Series Gearmotors

DK Series Helical-Bevel Gearmotors



Features:

- Right-angle arrangement of motor and gearbox, two-stage cylindrical helical gear and one-stage spiral bevel gear transmission
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- High-precision modular design with fine ratio increments
- Flange, foot, and torque arm mounting options, with solid or hollow output shaft
- Compact structure, mountable in six spatial orientations to meet diverse requirements

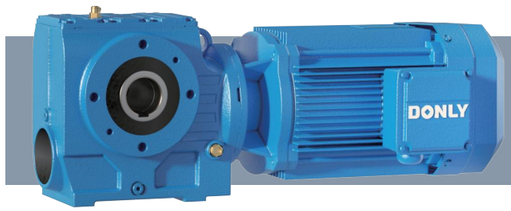
Technical Data:

- Size range: 37 - 187
- Power range: 0.12 - 200 kW
- Output speed: 0.1 - 522 rpm
- Output torque: 200 - 53,000 Nm

Application Fields:

- Gearmotors are widely used in automation, logistics conveying, lifting equipment, packaging machinery, environmental protection equipment, grain and oil feed machinery, etc.

DS Series Helical-Worm Gearmotors



Features:

- Right-angle arrangement of motor and gearbox, one-stage cylindrical helical gear and one-stage worm gear transmission
- High-precision hardened gears and bronze worm wheel for high load capacity and low working noise
- High-precision modular design with fine ratio increments
- Flange, foot, and torque arm mounting options, with solid or hollow output shaft
- Compact structure, mountable in six spatial orientations to meet diverse requirements

Technical Data:

- Size range: 37 - 97
- Power range: 0.12 - 22 kW
- Output speed: 0.1 - 397 rpm
- Output torque: 92 - 4,000 Nm

Application Fields:

- Gearmotors are widely used in automation, logistics conveying, lifting equipment, packaging machinery, environmental protection equipment, grain and oil feed machinery, etc.

DLH/DLB Series Gear Units

DLH Series Gear Units



Features:

- Available in parallel shaft and right-angle shaft arrangements
- Various output shaft types for maximum flexibility, reducing installation and modification costs
- Modular design from housing to internal gears, suitable for mass production and flexible selection
- Comprehensive cooling system effectively improves overall efficiency and component service life
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise

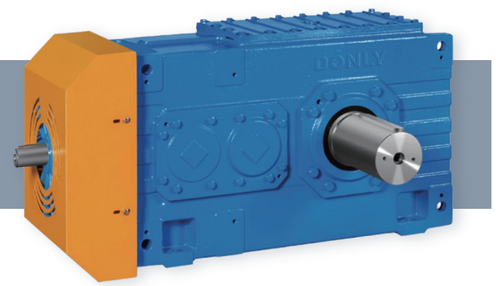
Technical Data:

- Size: 3 - 26
- Stages: 1 - 4
- Ratio range: 1.25 - 450
- Output torque: 2.3 - 1,030 kNm

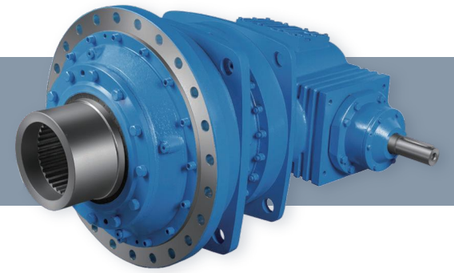
Application Fields:

- Various coal conveying belts, coal washing belt conveyors, ore belt conveyors, stockyard belt conveyors, etc.
- Various bulk material handling, blast furnaces, stackers/reclaimers, drag chain conveyors, silos, etc.
- Various paper making auxiliaries, pelletizing, drying, crushing, lifting, winches, mixing, etc.

DLB Series Gear Units



DLP Series Planetary Gear Units



DLP Series Planetary Gear Units

Features:

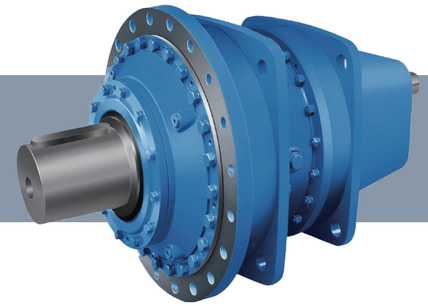
- Available in coaxial, parallel shaft, and right-angle shaft arrangements, providing diverse product solutions for users
- Various output shaft types for maximum flexibility, reducing installation and modification costs
- Modular design from housing to internal gears, suitable for mass production and flexible selection
- Housing and planet carrier made of high-strength ductile iron for high load capacity
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise

Technical Data:

- Size: 3 - 29
- Stages: 2 - 5
- Ratio range: 25 - 4,000
- Output torque: 22 - 2,600 kNm

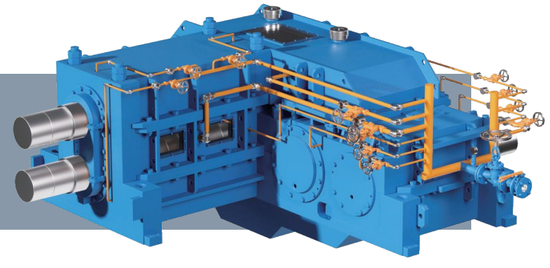
Application Fields:

- Bucket wheel drives, stacker/reclaimer slewing, crawler travel, apron feeders, winches, car dumpers, elevators, roller presses, tower mills, sugar mill crushers, diffusers, etc.



DLP Series Planetary Gear Units

Plate Rolling Mill Gearboxes



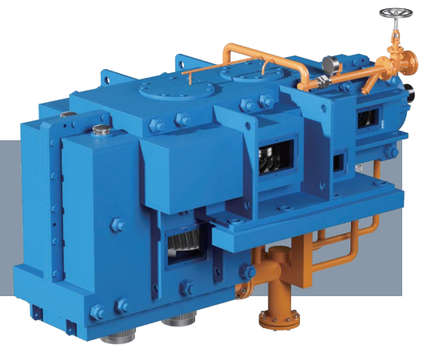
Features:

- Used for main drive of medium and heavy plate roughing mills, also applicable for main drives of wide and heavy plate mills and cold strip mills
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Welded housing structure with reinforced ribs to ensure high rigidity and deformation resistance
- Integrated forced circulation lubrication system ensures reliable operation under sustained high loads

Technical Data:

- Input power: 3,200 kW
- Input speed: 120 - 300 rpm
- Ratio range: 1 - 5.95
- Custom development available based on customer requirements

Wire Rod & Bar Mill Gearboxes

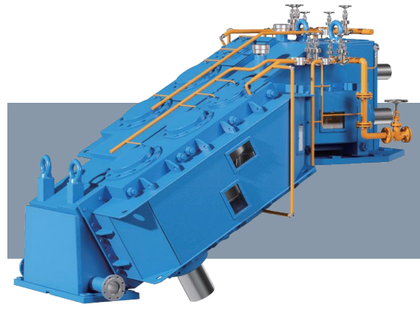


Features:

- Available in horizontal (H) and vertical (V) structural configurations
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Welded housing structure with reinforced ribs to ensure high rigidity and deformation resistance
- Integrated forced circulation lubrication system ensures reliable operation under sustained high loads
- Common specifications adopt serialized and modular design, reducing the number of spare parts

Technical Data:

- Nominal roll diameter: Φ350 - Φ850 mm
- Ratio range: 1 - 120
- Rolling torque: 10 - 1,200 kNm
- Custom development available based on customer requirements



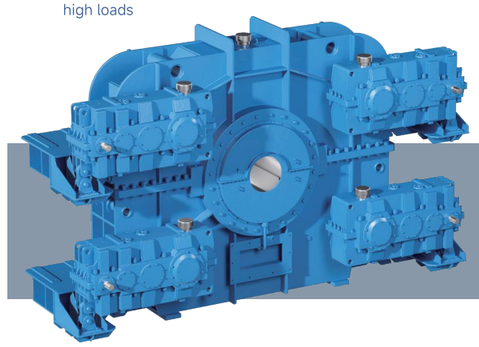
Tube Mill Gearboxes

Features:

- Designed specifically for efficient seamless steel tube production, including main gearboxes for mandrel mills, multi-roll reducing/sizing mill gearboxes, piercer gearboxes, mandrel drive gearboxes, etc.
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Welded housing structure with reinforced ribs to ensure high rigidity and deformation resistance
- Integrated forced circulation lubrication system ensures reliable operation under sustained high loads

Technical Data:

- Ratio range: 4.688 – 13.684
- Rolling torque: 11 – 143 kNm
- Custom development available based on customer requirements



Converter Tilting Drives

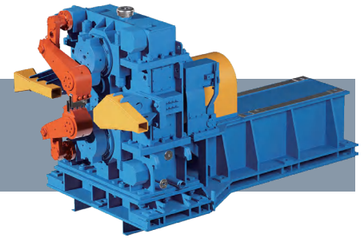
Features:

- Composed of primary reducer, secondary reducer, and torque rod balancing device
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Welded housing structure with reinforced ribs to ensure high rigidity and deformation resistance
- Integrated forced circulation lubrication system ensures reliable operation under sustained high loads
- Capable of frequent starting and braking, withstands large dynamic loads

Technical Data:

- Converter capacity: 80 - 200 tons
- Ratio range: 520 - 1,200
- Output torque: Up to 6,500 kNm
- Custom development available based on customer requirements

Wire Rod & Bar Flying Shears



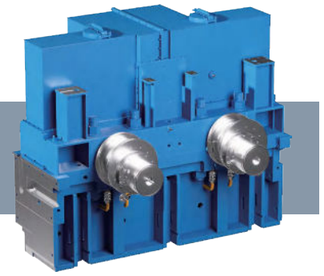
Features:

- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Welded shaft structure with reinforced ribs to ensure high rigidity and deformation resistance
- Integrated forced circulation lubrication system ensures reliable operation under sustained high loads
- Precision-optimized gear meshing achieves minimal transmission backlash

Technical Data:

- Custom development available based on customer requirements

Plate Cold Shears



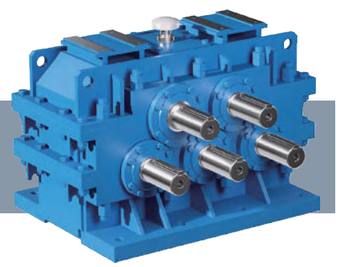
Features:

- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Welded shaft structure with reinforced ribs to ensure high rigidity and deformation resistance
- Integrated forced circulation lubrication system ensures reliable operation under sustained high loads
- Precision gear design for accurate shearing, ensuring product quality

Technical Data:

- Custom development available based on customer requirements

Straightener Gearboxes

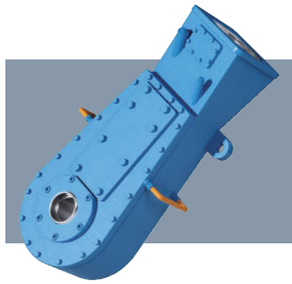


Features:

- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Welded shaft structure with reinforced ribs to ensure high rigidity and deformation resistance
- Integrated forced circulation lubrication system ensures reliable operation under sustained high loads
- Integrated straightener and pinch roll gearbox features small footprint, more precise movement, and higher transmission efficiency

Technical Data:

- Input power range: 18.5 - 600 kW
- Output torque: 4 - 70 kNm
- Ratio range: 1 - 50
- Custom development available based on customer requirements



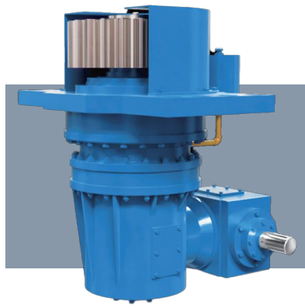
Tension Leveler Gearboxes

Features:

- Housing profile available in teardrop shape, L-shape, and other structural forms
- Internal cooling water chamber suitable for high-temperature operating environments
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Welded housing structure with reinforced ribs to ensure high rigidity and deformation resistance

Technical Data:

- Ratio range: 200 – 1500
- Output torque: 15 – 91.5 kNm
- Custom development available based on customer requirements



Ladle Turret Gearboxes

Features:

- Modular design from housing to internal gears
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Split design for output pinion for easy maintenance and adjustment
- Reinforced design for planet carrier and housing, providing high load capacity

Technical Data:

- Input power: 15 - 75 kW
- Number of stages: 4
- Ratio range: 100 - 150
- Output torque: Up to 202 kNm
- Custom development available based on customer requirements

Vertical Mill Gearboxes



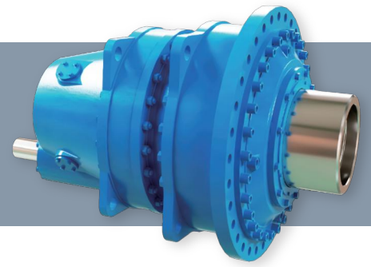
Features:

- Gearbox structural types: a) Bevel-Planetary two-stage transmission b) Bevel-Parallel Shaft-Planetary three-stage transmission c) Bevel-Planetary-Planetary three-stage transmission
- Bevel gear pairs adopt Klingelnberg tooth system for higher load capacity
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Special thrust bearing mechanism ensures the gearbox smoothly withstands vertical additional loads from the mill

Technical Data:

- Ratio range: 20 - 60
- Output torque: Up to 4,000 kNm
- Vertical static load: Up to 17,000 kN
- Custom development available based on customer requirements

Roller Press Gearboxes



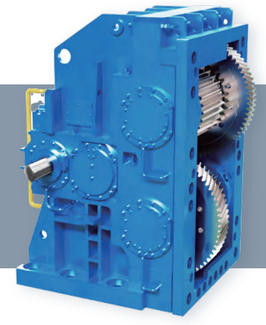
Features:

- High-precision hardened gears with special tooth flank modification for low working noise
- Reinforced planet carrier and housing design, with internal floating load-sharing structure for high load capacity
- Suitable for severe impact, dusty environments, and continuous operation conditions
- Hollow output shaft with shrink disc connection

Technical Data:

- Ratio range: 25 - 125
- Output torque: Up to 6,000 kNm
- Custom development available based on customer requirements

Dual-pinion Self-aligning Drive Gearboxes



Features:

- Adopts double power split transmission structure, integrating the gearbox with the mill
- Self-aligning output pinions ensure uniform meshing between the two pinions and the girth gear
- Load sharing achieved through floating intermediate shaft
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Welded housing structure with reinforced ribs to ensure high rigidity and deformation resistance

Technical Data:

- Rated power: Up to 6,000 kW
- Custom development available based on customer requirements

Central Drive Gearboxes



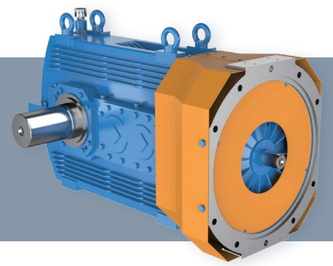
Features:

- Adopts double power split, two-stage reduction, concentric transmission structure
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Welded housing structure with reinforced ribs to ensure high rigidity and deformation resistance
- Maintenance-free slide bearings requiring no spare parts; all components designed for a service life exceeding 20 years
- Optional electronic monitoring system for real-time equipment status monitoring

Technical Data:

- Rated power: 800 - 5,600 kW
- Custom development available based on customer requirements

Conveyor Gearboxes



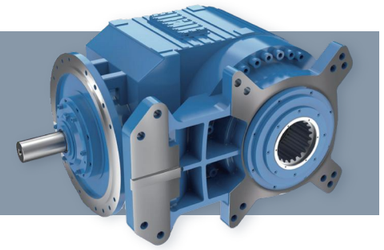
Features:

- Modular design of internal gears for mass production and flexible selection
- Housing with integrated cooling fins effectively improves overall efficiency and component service life
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Enhanced input and output shaft strength to withstand large radial loads and bending moments, ensuring safety
- Combined sealing with skeleton oil seal and dust labyrinth provides excellent oil leakage prevention

Technical Data:

- Size: 10 - 14
- Number of stages: 3
- Ratio range: 12.5 - 40
- Output torque: Up to 113 kNm

Scraper Conveyor Gearboxes

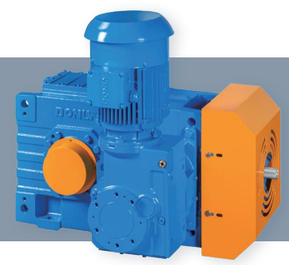


Features:

- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Output uses internal/external splined coupling sleeve for easy maintenance and replacement
- Combined sealing with skeleton oil seal and dust labyrinth provides excellent oil leakage prevention
- Forced lubrication via flange pump solves bearing lubrication failure issues caused by high inclination angle installation

Technical Data:

- Power range: 400 - 855 kW
- Number of stages: 3
- Ratio range: 25 - 45
- Output torque: Up to 250 kNm



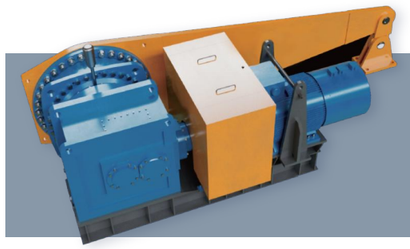
Bucket Elevator Gearboxes

Features:

- Modular and standardized design for mass production and flexible selection
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Complete package solution available including gearbox + auxiliary drive + coupling + guard + base
- Combined sealing effectively prevents oil leakage

Technical Data:

- Size: 4 – 20
- Number of stages: 3
- Ratio range: 12.5 – 90
- Output torque: Up to 345 kNm



Bucket Wheel Drives

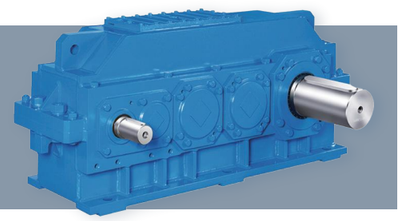
Features:

- Combines spiral bevel, cylindrical helical, and planetary gear transmissions to achieve high torque output within compact dimensions
- Integrates motor, coupling, gearbox, and torque arm, significantly saving installation space
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Combined sealing with skeleton oil seal and dust labyrinth provides excellent oil leakage prevention

Technical Data:

- Custom development available based on customer requirements

Hoist Gearboxes



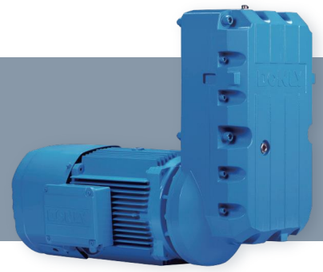
Features:

- Extended center distance gearbox
- Modular and standardized design for mass production and flexible configuration
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Available with foot mounting or three-point mounting housing structure

Technical Data:

- Size: 5 - 14
- Number of stages: 3 - 4
- Ratio range: 14 - 250
- Output torque: 11 - 109 kNm

Electric Hoist Gearmotors



Features:

- Parallel shaft arrangement of motor and gearbox, three-stage cylindrical helical gear transmission
- Enlarged center distance design to accommodate motor and drum spatial requirements
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Highly modular design with fine ratio increments
- Higher transmission efficiency for economical system operation and cost savings

Technical Data:

- Size: 67 - 157
- Number of stages: 3
- Ratio range: 34.3 - 208.1
- Output torque: Up to 22,000 Nm

Slewing Gearboxes



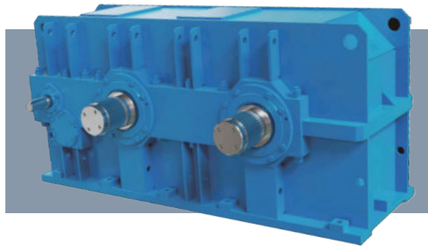
Features:

- Highly modular design for cost-effectiveness and fast delivery response
- Customizable extended output shaft and output pinion
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Multiple floating load sharing in planetary stage for higher load capacity
- Reinforced bearing arrangement to withstand larger radial forces

Technical Data:

- Ratio range: 20 - 280
- Output torque: 13 - 496 kNm
- Custom development available based on customer requirements

Planetary Differential Gearboxes



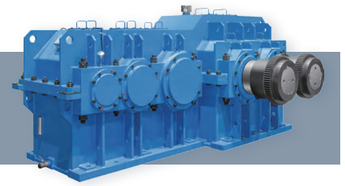
Features:

- Through power splitting/combining of the differential mechanism, coordinates hoist/open-close and trolley travel in one unit, enabling synchronized grab hoisting/opening-closing, smooth traction, and inching alignment, improving handling efficiency and operational accuracy
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Forced oil injection lubrication

Technical Data:

- Custom development available based on customer requirements

Mixing Mill & Internal Mixer Gearboxes



Features:

- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Combination of skeleton oil seal and mechanical seal ensures safe and reliable sealing
- Lubrication system uses forced oil injection. Small size gearboxes feature a simple lubrication device mounted on the housing; large sizes come with a separate oil lubrication station

Technical Data:

- Number of stages: 3 reduction stages + 1 distribution stage
- Ratio range: 10 - 63
- Rated power: 22 - 3,000 kW
- Custom development available based on customer requirements

Calender Gearboxes



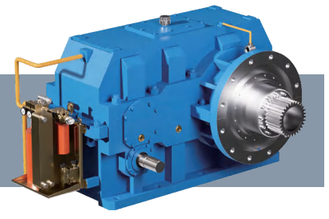
Features:

- High-precision modular design for cost-effectiveness and fast delivery
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Multi-layer combined housing design for ease of manufacturing and maintenance

Technical Data:

- Power range: 22 - 400 kW
- Ratio range: 16 - 73
- Custom development available based on customer requirements

Pin Cold Feed Single Screw Extruder Gearboxes

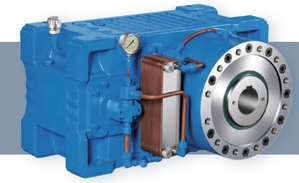


Features:

- High-precision modular design for cost-effectiveness and fast delivery
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Uses renowned brand thrust bearings for high load capacity and long service life
- Maintenance-free sealing structure for reliable sealing performance
- Integrated lubrication and cooling unit, compact and aesthetically pleasing

Technical Data:

- Size: 60, 90, 120, 150, 200, 250, 300
- Number of stages: 3
- Ratio range: 16 - 56
- Rated power: 22 - 750 kW



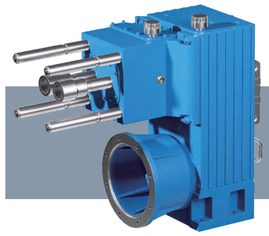
High Torque Single Screw Extruder Gearboxes

Features:

- High-precision hardened gears with special tooth flank modification for low working noise
- Torque-enhanced design; high-strength gears, bearings, and housing withstand greater torque
- Uses renowned brand thrust bearings for high load capacity and long service life
- Efficient lubrication and cooling system effectively extends overall service life

Technical Data:

- Size: 1 - 14
- Number of stages: 2
- Ratio range: 8 - 20
- Output torque: 1.5 - 147 kNm



Conical Twin Screw Extruder Gearboxes

Features:

- Two output shafts rotating in opposite directions at a defined angle
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Monoblock housing structure enhances reliability and sealing performance
- Internal forced lubrication saves lubricant and reduces temperature rise

Technical Data:

- Model: DLZSLL63
- Number of stages: 3 reduction stages + 1 distribution stage
- Ratio: 44.96
- Output torque: 2 × 4,467 Nm
- Custom development available based on customer requirements



Injection Molding Machine Electric Melt Adhesive Planetary Gearboxes

Features:

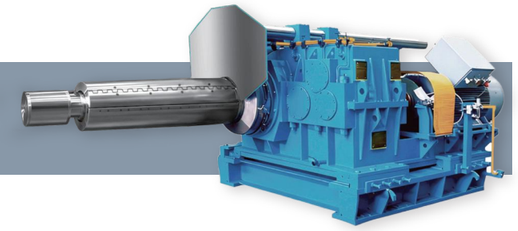
- High-precision hardened gears, helical planetary transmission, compact size, high torque, low noise
- Direct motor connection for compact structure and significantly reduced axial length
- Single-stage transmission efficiency up to 98.5%, replacing hydraulic motors for greater energy savings, environmental friendliness, and lower operating costs

Technical Data:

- Size: 02, 04, 08, 10, 15, 26
- Number of stages: 1 - 2
- Ratio range: 6 - 16
- Output torque: 1 - 26 kNm

Non-Ferrous Metals

Uncoiler & Recoiler Gearboxes



Features:

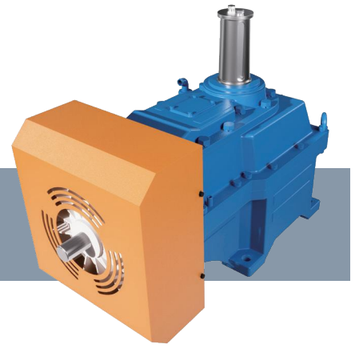
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Various mounting options: horizontal, vertical, swing base, torque arm, accommodating different line layouts and space constraints
- Configurable shift mechanism for high/low gear switching
- Compatible with VFD and tension control for smooth start/stop, constant tension, and speed synchronization, reducing strip scratches and wandering

Technical Data:

- Coil load: 1.5 - 40 tons
- Strip width: 200 - 1,500 mm
- Custom development available based on customer requirements

Electric Power

Cooling Tower Gearboxes



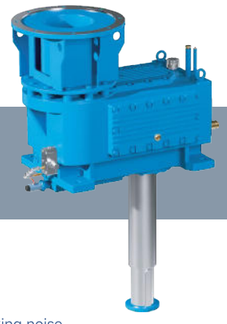
Features:

- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Input bearing uses labyrinth combination seal to prevent dust/foreign matter ingress and reduce oil leakage risk
- Reinforced output bearings with increased bearing span design withstand larger additional radial and axial forces

Technical Data:

- Size: 4 - 14
- Number of stages: 1 - 2
- Ratio range: 5 - 22.4
- Output torque: Up to 100 kNm

Air-Cooled Condenser (ACC) Special Gearboxes



Features:

- Monoblock housing design for high impact resistance
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Output shaft features reinforced bearings and increased bearing span design to withstand greater additional radial and axial forces
- Output shaft utilizes dry well sealing to prevent oil leakage

Technical Data:

- Size: 5 – 15
- Number of stages: 2
- Ratio range: 6.3 – 28
- Custom development available based on customer requirements

Water Conservancy

Submersible Pump Planetary Gearbox



Features:

- Planetary gear transmission for high load capacity and lightweight structure
- High-precision hardened gears with special tooth flank modification for low working noise
- Reinforced planet carrier and housing design for high rigidity
- Splash lubrication for low operating and maintenance costs

Technical Data:

- Input power: 132 – 2000 kW
- Ratio range: 3 – 6.3
- Output torque: Up to 90 kNm
- Custom development available based on customer requirements

Chemical Industry

Vertical Double Planetary Mixer Gearboxes



Features:

- Modular design and customized development for compact structure and superior performance
- Output shaft features double oil seal and dry well sealing structure to ensure no lubricant leakage
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Combined splash and forced lubrication for gears and bearings ensures safe and reliable gear-box operation

Technical Data:

- Number of stages: 3
- Ratio range: 16 – 90
- Output torque: Up to 90 kNm
- Custom development available based on customer requirements

Horizontal Ribbon Mixer Gearboxes



Features:

- Main components are designed and manufactured according to modular and serialized standards
- Multiple sealing types for excellent oil leakage prevention
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Enhanced input shaft strength to withstand large radial loads and bending moments, ensuring operational safety

Technical Data:

- Size: 03 – 12
- Number of stages: 3 – 4
- Ratio range: 12.5 – 90
- Output torque: 3.6 – 75 kNm

Palm Oil

Screw Press Gearboxes



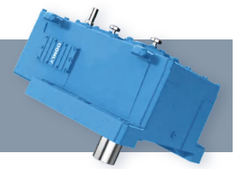
Features:

- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Reliable sealing structure suitable for harsh environments
- Uses internationally renowned brand bearings
- Symmetrical housing design allows users to change the mounting layout without opening the gearbox

Technical Data:

- Model range: 050, 060, 070
- Ratio range: 20 - 82
- Rated output torque: 45 - 102 kNm
- Rated power range: 45 - 526 kW

Digester Gearboxes



Features:

- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Reliable sealing structure suitable for harsh environments
- Uses internationally renowned brand bearings
- Raised breather plug position connected to upper ventilation space prevents lubricant overflow

Technical Data:

- Ratio: 56.233
- Rated torque: 26 kNm

Sugar Pressing

Sugar Mill Planetary Gearboxes



Features:

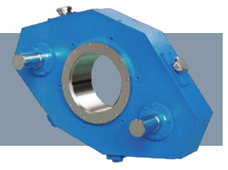
- Multi-split planetary transmission structure for higher power density
- High-precision hardened gears with special tooth flank modification for low working noise
- Reinforced planet carrier and housing design for high load capacity
- Forced lubrication system

Technical Data:

- Load capacity: 22 - 2,600 kN
- Ratio range: 25 - 280
- Custom development available based on customer requirements

Paper Making

Shoe Press Gearboxes



Features:

- Driven by two motors simultaneously to power the output bull gear
- Bull gear integrated with output shaft, directly driving the shoe press roll via bolted connection
- Shoe press beam supporting the roll passes through the gearbox cavity to connect with the shoe sleeve
- Compact forced lubrication system to cope with high ambient temperatures

Technical Data:

- Input power: 200 - 600 kW
- Ratio range: 2.6 - 3.94
- Custom development available based on customer requirements

Construction Machinery



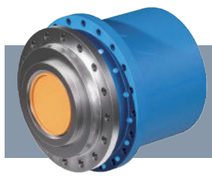
Slewing Gearboxes

Features:

- Planetary gear transmission, compact size, high torque, high efficiency
- High-precision hardened gears with special tooth flank modification for low working noise
- Integral gear shaft output for high radial load capacity
- Can be equipped with integrated multi-disc parking brake

Technical Data:

- - Size: 09, 17, 26, 36, 40, 50, 60, 80, 110
- Ratio range: 40 - 250
- Output torque: 9 - 110 kNm



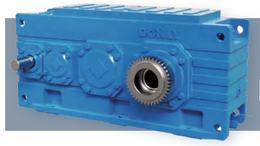
Travel / Winch Planetary Gearboxes

Features:

- Planetary gear transmission, compact size, high torque, high efficiency
- High-precision hardened gears with special tooth flank modification for low working noise
- Floating seal structure for reliable sealing and leak prevention
- Integrated multi-disc parking brake
- Drum and support bearing housing optional

Technical Data:

- Size: 09, 17, 26, 36, 40, 50, 60, 80, 110
- Ratio range: 40 - 250
- Output torque: 9 - 110 kNm



Tower Crane Hoist Gearboxes

Features:

- Modular design, customized development, compact structure, superior performance
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Appropriate center distance design ensures optimal co-location of motor and wire rope drum on the same side
- Special double sealing structure effectively prevents lubricant leakage

Technical Data:

- Model: DF570, DF610, DF720
- Number of stages: 3
- Ratio range: 16 - 30
- Output torque: Up to 14 kNm



Mixer Gearboxes

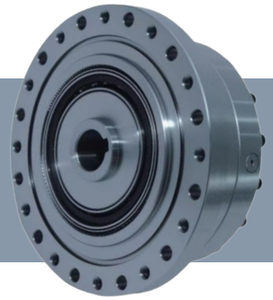
Features:

- Modular design, customized development, compact structure, superior performance
- Two gearboxes synchronized via spiral bevel gears for low power loss and high transmission efficiency
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise

Technical Data:

- Model: DLJBK09, DLJBK25
- Torque range: 9.2 - 22 kNm
- Custom development available based on customer requirements

Harmonic Drive Gear Reducer



Features:

- Composed of only 3 basic components: wave generator, Flex gear, and Internal gear, effectively saving installation space
- High number of teeth in mesh generates large torque, stably driving various equipment
- Excellent positioning and rotational accuracy for precise motion control
- High-quality materials, advanced manufacturing processes, and unique tooth profile design effectively reduce bending stress at tooth root, improving strength and rigidity

Technical Data:

- Size: 14, 17, 20, 25, 32, 40
- Ratio range: 30, 50, 80, 100, 120, 160
- Angular transmission error: ≤1-2 arcmin
- Rated output torque: 7 - 523 Nm

RV Reducers



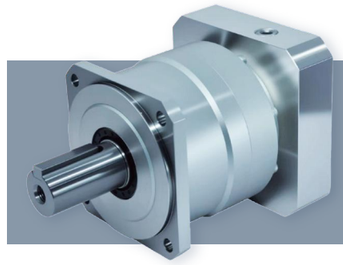
Features:

- Small backlash, minimal elastic deformation of teeth, low angular transmission error, meeting high-precision requirements of robots and machine tools
- Overall transmission efficiency up to 85% - 92%, particularly higher under rated load
- High torque output (overload capacity up to 4-5 times rated torque), suitable for frequent start/stop and shock load conditions
- Key components made of high-strength alloy steel, carburized, quenched, and precision ground for minimal wear and long service life

Technical Data:

- Model series: E, C, N
- Ratio range: 30 - 300
- Angular transmission error: ≤1 arcmin
- Rated output torque: 58 - 9,000 Nm

Precision Planetary Reducers



Features:

- Low backlash and high repeatability positioning accuracy for precision positioning requirements
- Modular design allows multiple ratio combinations to meet various drive requirements
- High-precision hardened gears with special tooth flank modification for high load capacity and low working noise
- Input coupling designed to match motor shaft dimensions, ensuring input interface adaptability
- Grease lubrication for life, low maintenance cost

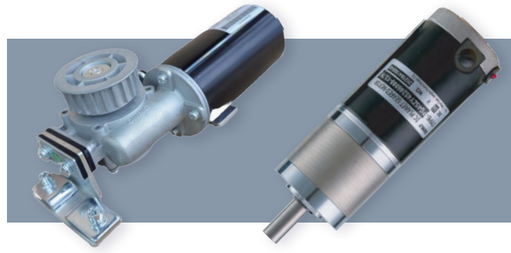
Technical Data:

- Size: 42 - 285
- Ratio range: 3 - 100
- Angular transmission error: ≤3-9 arcmin
- Rated output torque: 6 - 3,300 Nm

Application Fields:

- Industrial robots, precision machine tools, automation equipment, and other fields requiring strict transmission accuracy and stability

Micro Gearmotors



Features:

- Uses DC brushless motor with Hall sensor feedback for high-precision control
- Integrated motor and gearbox design for compact structure
- Reducer section available in various transmission types: worm gear, planetary gear, cylindrical helical gear
- Low vibration and noise during operation, suitable for quiet drive applications

Technical Data:

- Frame size range: MT80 - 100
- Power range: 60 - 200 W
- Output speed: 100 - 200 rpm
- Output torque: 2 - 10 Nm

Application Fields:

- Mainly used in automatic doors,automation, etc.

Three-Phase Asynchronous Motors

High-Efficiency Three-Phase Asynchronous Motors



Features:

- High Efficiency & Energy Saving: Complies with new national standard GB18613-2020 energy efficiency requirements, Suitable for the needs of green and energy-saving production
- Enhanced Protection: Fully enclosed structure design for excellent water and dust resistance
- Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability
- High Durability: Excellent insulation performance significantly extends motor service life
- Practical & Convenient: Wide versatility, simple maintenance procedures, low operating costs
- Flexible Customization: Compatible accessories can be added on demand; supports personalized customization

Technical Data:

- Frame size: H80 - H355
- Poles: 2, 4, 6, 8
- Power range: 0.75 - 375 kW

Flame-Proof Three Phase Asyn-chronous Motors



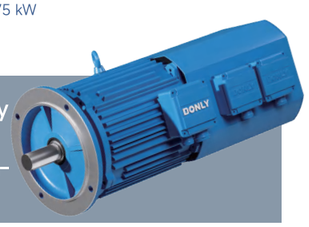
Features:

- High Efficiency & Energy Saving: Complies with new national standard GB18613-2020 energy efficiency requirements, suitable for green production
- Effective Explosion Protection: Advanced explosion-proof structural design, reliably adapts to various explosive hazardous scenarios
- Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability
- High Durability: Excellent insulation performance significantly extends motor service life

Technical Data:

- Frame size: H80 - H355
- Poles: 2, 4, 6, 8, 10
- Power range: 0.37 - 315 kW

Variable Frequency Speed Control Three-Phase Asynchronous Motors



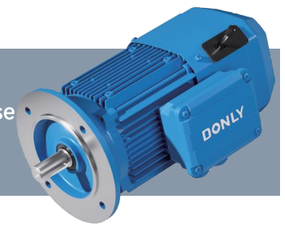
Features:

- Wide Frequency Stability: Ultra-wide frequency range, stable and reliable operation across the entire frequency domain
- Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability
  Long-lasting & Durable: Optimized insulation structure improves
- insulation performance, extending motor service life
  Practical & Convenient: Wide versatility, simple maintenance proce-
- dures, low operating costs
  Flexible Customization: Compatible accessories can be added on
- demand; supports personalized customization

Technical Data:

- Frame size: H63 - H450
- Poles: 2, 4, 6, 8, 10, 12
- Power range: 0.12 - 710 kW

Electromagnetic Brake Three-Phase Asynchronous Motors



Features:

- High Efficiency & Energy Saving: Complies with new national standard GB18613-2020 energy efficiency requirements, suitable for green production
- Responsive & Reliable: Quick and sensitive braking response, safe and stable operation
- Enhanced Protection: Fully enclosed structure design for excellent water and dust resistance
- Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability
- Long-lasting & Durable: Optimized insulation structure and process improve insulation performance, extending motor service life
- Practical & Convenient: Wide versatility, simple maintenance procedures, low operating costs

Technical Data:

- Frame size: H63 - H400
- Poles: 2, 4, 6, 8
- Power range: 0.12 - 500 kW

Permanent Magnet Synchronous Motors

Permanent Magnet Synchro-nous Motors



Features:

- High Efficiency & Energy Saving: Utilizes high-performance rare-earth permanent magnet materials; entire series achieves IE6 efficiency level
- Compact & Lightweight: Smaller volume compared to asynchronous motors of the same power, flexibly adapts to space-constrained scenarios
- Strong Adaptability: Reliably handles complex and harsh conditions like frequent starts and prolonged low-speed heavy loads
- High Reliability: Excellent electrical performance, uses high-temperature resistant sintered NdFeB magnets for longer motor life
- Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability
- Flexible Configuration: Modular design supports accessory selection, adapting to personalized needs in multiple scenarios

Technical Data:

- Frame size: H80 - H355
- Speed range: 375 - 3,000 rpm
- Power range: 0.25 - 630 kW

High-Voltage Permanent Magnet Synchronous Motors



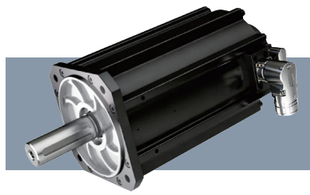
Features:

- High Efficiency & Energy Saving: Utilizes high-performance rare-earth permanent magnet materials, outstanding energy efficiency for green production needs
- High Power Factor: Power factor close to 1, reducing investment in reactive power compensation equipment
- Reliable Insulation: Excellent high-voltage stator insulation system reduces winding breakdown risk, ensuring stable motor operation
- Efficient Heat Dissipation: High-efficiency cooling structure enhances heat dissipation, effectively extending motor service life
- Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability
- Flexible Customization: Customizable PM direct-drive and integrated PM direct-drive units; wide power range, diverse cooling methods

Technical Data:

- Frame size: H355 – H1000
- Rated voltage: 3 – 10 kV
- Power range: 185 – 10,000 kW

Servo Permanent Magnet Synchro-nous Motors



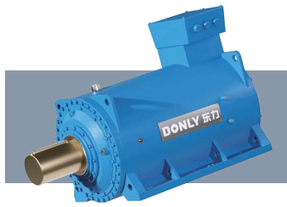
Features:

- High Efficiency & Energy Saving: Utilizes high-performance rare-earth permanent magnet materials; entire series achieves IE6 efficiency level
- Compact & Lightweight: Smaller volume compared to asynchronous motors of the same power, flexibly adapts to space-constrained scenarios
- High Reliability: Excellent electrical performance, uses high-temperature resistant sintered NdFeB magnets for longer motor life
- Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability
- Precise Control & Positioning: Excellent positioning accuracy, high repeatability, and outstanding speed control stability

Technical Data:

- Frame size: H80 - H250
- Power range: 0.25 - 55 kW
- Speed range: 375 - 3,000 rpm

Permanent Magnet Semi-Direct Drive Integrated Unit



Features:

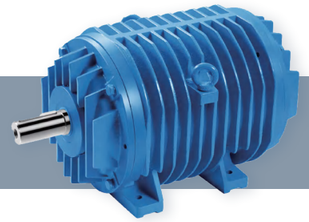
- Combined Advantages: Integrates dual benefits of gearbox transmission and PM direct drive technology; compact structure, high torque density, low noise and vibration
- High Efficiency & Energy Saving: Motor strictly complies with GB30253-2024 Grade 1 energy efficiency standard, deeply aligned with green production development needs
- High Reliability: High matching degree between motor torque and reducer load capacity, excellent operational reliability
- Wide Application: Suitable for new equipment installation and old equipment upgrading in various industries; strong environmental adaptability
- Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability

Technical Data:

- Frame size: H280 - H450
- Rated voltage: 380V / 660V / 1140V
- Power range: 37 - 630 kW

Special Motors

Roller Table Motors



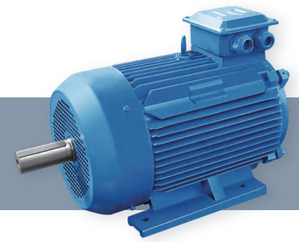
Features:

- Excellent Performance: Suitable for harsh conditions like high temperature, dust, and heavy impact loads; strong overload capacity and high mechanical strength
- Wide Frequency Stability: Ultra-wide frequency range design, stable and reliable operation across full frequency domain, suitable for complex speed regulation needs
- Enhanced Protection: Fully enclosed structure design for excellent water and dust resistance
- Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability
- High Durability: Excellent insulation performance significantly extends motor service life

Technical Data:

- Frame size: H112 – H450
- Poles: 4, 6, 8, 10, 12, 16
- Power range: 2.2 – 355 kW
- Duty : S5-40%

Crane & Metallurgical Motors



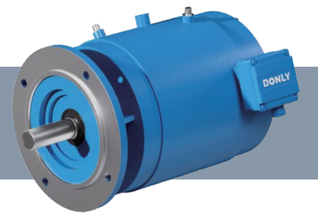
Features:

- Excellent Performance: Suitable for harsh conditions like high temperature, dust, and heavy impact loads; strong overload capacity and high mechanical strength
- Wide Frequency Stability: Ultra-wide frequency range design, stable and reliable operation across full frequency domain, suitable for complex speed regulation needs
- Enhanced Protection: Fully enclosed structure design for excellent water and dust resistance
- Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability
- High Durability: Excellent insulation performance significantly extends motor service life

Technical Data:

- Frame size: H110 - H400
- Poles: 4, 6, 8, 10, 12, 16
- Power range: 1.5 - 450 kW
- Duty: S3-40%

Water-Cooling Motors



Features:

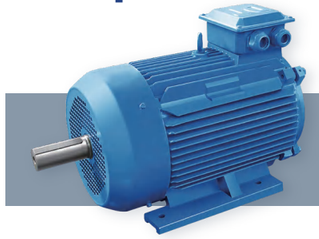
- Efficient Cooling Design: Built-in precision welded water channel improves motor cooling efficiency, fundamentally extending motor service life
- Reliable Welding Process: Advanced welding technology ensures excellent sealing and significantly enhances product reliability
- Wide Frequency Stability: Ultra-wide frequency range design ensures stable and reliable operation across full frequency domain, suitable for complex speed regulation needs
- Enhanced Protection: Fully enclosed structure design for excellent water and dust resistance
- Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability
- High Durability: Excellent insulation performance significantly extends motor service life

Technical Data:

- Frame size: H100 – H400
- Poles: 4, 6, 8, 10, 12, 16
- Power range: 1.5 – 450 kW

Special Motors

Port & Marine Motors



Features:

- Enhanced Corrosion Resistance: Strengthened anti-corrosion structure and process solutions, suitable for harsh conditions in ports and ships
- Wide Frequency Stability: Ultra-wide frequency range design ensures stable and reliable operation across full frequency domain
- Enhanced Protection: Fully enclosed structure design for excellent water and dust resistance
- Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability
- High Durability: Excellent insulation performance significantly extends motor service life
- Flexible Customization: Compatible accessories can be added on demand; supports personalized customization

Technical Data:

- Frame size: H80 - H400
- Poles: 2, 4, 6, 8, 10, 12
- Power range: 0.55 - 450 kW

Ultra-Low Temperature Motors



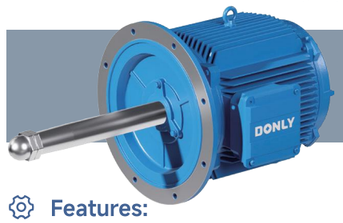
Features:

- Ultra-Low Temp Adaptability: Optimized motor design ensures stable operation in extreme low temperatures from -60°C to -40°C
- Low Temp Reinforcement: Enhanced insulation performance significantly extends motor service life
- High Efficiency & Energy Saving: Strictly complies with new national standard GB1613-2020 energy efficiency requirements, suitable for green production
- Quality Assurance: Advanced manufacturing processes and precise quality control ensure long-term operational stability and reliability
- Practical & Convenient: Wide versatility, simple maintenance procedures, low operating costs

Technical Data:

- Frame size: H80 - H400
- Poles: 2, 4, 6, 8, 10, 12
- Power range: 0.55 - 450 kW
- Operating temperature: ≥ -60°C

Low-Noise Direct Drive Permanent Magnet Synchronous Motors



Features:

- High Efficiency & Energy Saving: Utilizes high-performance rare-earth permanent magnet materials; entire series achieves IE6 efficiency level
- High Reliability Design: Excellent electrical performance, uses high-temperature resistant sintered magnetic materials for longer motor life
- Craftsmanship Quality Assurance: Advanced manufacturing processes and precise quality control system enhance motor quality and reliability
- Comprehensive Protection Upgrade: Fully enclosed structure design offers excellent water, dust, and corrosion resistance
- Flexible Scene Adaptation: This series is specifically designed for air-cooling islands and cooling tower fans, with customization available for other specialized low-noise direct-drive PM synchronous motors

Technical Data:

- Frame size: H180 - H500
- Physical poles: 18, 24, 32
- Power range: 4 - 200 kW
- Cooling method: IC418

Service

24-Hour Service Hotline: 400-168-6666

- Ensures every customer request is confirmed and satisfied
- 48-hour resolution for the most challenging transmission problems

DONLY provides full-cycle technical consultation and services covering pre-sales, in-sales, and after-sales stages

Technical Support

DONLY assists customers in resolving issues promptly through remote diagnostic capabilities

Remote Diagnostics

DONLY offers professional and practical technical and product training for customers

Training Services

DONLY quickly supplies wearing parts and spare parts required during production to ensure uninterrupted operation

Spare Parts Services

SERVICE

DONLY's professional team provides on-site installation and commissioning services

Installation & Commissioning

DONLY offers regular after-sales maintenance services

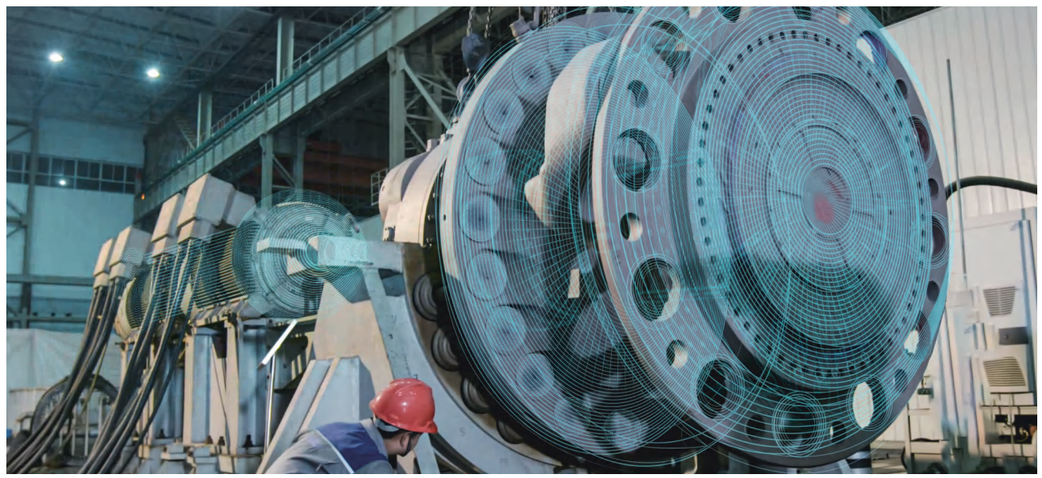
Maintenance Services

DONLY provides forward-looking upgrade and retrofit services to help customers stay ahead in the market

Upgrades & Retrofits

Repair Services

DONLY provides professional repair services for customers



Applications

Metallurgy

Stacker / Reclaimer · Mixer · Pelletizer · Ladle Crane / Ladle Hook · Tension Leveler · Rolling Mill / Flying Shear · Looper · Belt Conveyor · Sintering Machine · Circular Cooler / Annular Cooler

Ladle Transfer Car · Pusher / Ejector · Recoiler / Uncoiler · Tension Roll · Stamping Machine / Tamping Machine · Coke Pusher / Coke Guide / Quenching Car · Converter · Continuous Caster · Roller Table Conveying · Pickling Line



Building Materials

Belt Conveyor
Stacker / Reclaimer
Roller Press
Roller Press
Bucket Elevator
Ball Mill
Apron Feeder
Vertical Mill
Rotary Kiln



Mining

Gateway Belt Conveyor / Panel Belt Conveyor
Crusher
Scraper Conveyor
Stage Loader
Elevator / Hoist
Mill



Port & Crane

Belt Conveying
Travel Mechanism
Bucket Wheel Mechanism
Main Hoist
Luffing Mechanism
Slewing Mechanism



Construction Machinery

Hoisting Mechanism
Luffing Mechanism
Travel Mechanism
Slewing Mechanism
Luffing Mechanism
Conveying Mechanism



Rubber & Plastics

Conveying Equipment · Mixing Mill / Open Mill · Internal Mixer · Calender · Feeder · Extruder · Meshing Machine / Intermeshing Mixer · Forming Machine · Vulcanizer / Curing Press · Injection Molding Machine



Chemical Industry

Crusher · Ore Washer · Filter · Belt Conveyor · Grinding Equipment · Dryer · Digestion Tank Agitator · Reactor Agitator · Mixer

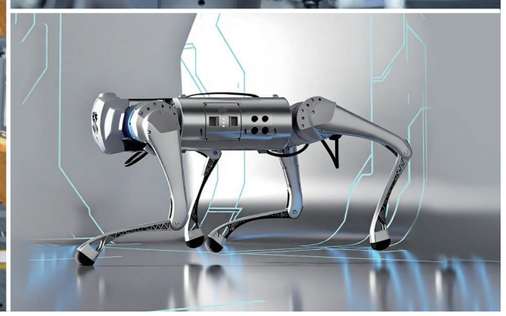


Robotics

Industrial Robot · Humanoid Robot · Quadruped Robot / Robot Dog







Robotics

Belt Conveyor · Roller Conveyor · Slat Conveyor / Chain Conveyor · AGC / Shuttle · Sorting Equipment · Stacker · Lift / Elevator · Cantilever Machine

