ZD® 中大力德

Motor Drive System
Small & Special Electrical Machines
Precision Gear Reducer

SZ stock code:
002896

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More Products

Micro AC gear motor

MAIN
Electronic devices, barrier gate equipment, entertainment equipment, medical equipment, etc.

Advantage
High transmission efficiency, low noise, long service life, etc.

Working Range
Model: 60, 70, 80, 90, 104
Reduction ratio: 3 to 200, up to 750 with an intermediate box.
The input power supply includes single-phase AC and three-phase AC.
Power: 6-200W.

For more details, please scan QR CODE.

Small AC gear motor

MAIN
CNC machine tools, packaging machinery, production lines, etc.

Advantage
Low noise, long service life, miniaturization, etc

Working Range
Reduction ratio: 3 to 750, up to 20,000 with an intermediate box. The input power supply includes single-phase AC and three-phase AC.
Power: 100-3700W.

For more details, please scan QR CODE.

ZDF2/ZDF3 Gear motor

MAIN
CNC machine tools, packaging machinery, production lines, etc.

Advantage
Combined with the quasi-hyperbolic gear reducer, it features small size, low noise, high efficiency, long service life, diverse shaft output and space-saving installation.

Working Range
Reduction ratio: 5 to 240
The input power supply includes single-phase AC and three-phase AC.
Power: 15-2200W.

For more details, please scan QR CODE.

Micro BLDC motor driver

MAIN
Printing equipment, sorting equipment, cleaning equipment, conveyor belts, etc.

Advantage
It can control the speed and current of the motor, with rich I/O interfaces, complete protection functions and multiple communication interfaces.

Working Range
Model: C10-120LD, C10-120LDX, C10-200HD,
Voltage: Low voltage DC12-48V,
High voltage AC220V;
Power: 60-800W
Output speed: 0-3000rpm;
Pole pair number: 2 to 5 pairs of poles.

For more details, please scan QR CODE.

Micro BLDC Gear Motor

MAIN
Applied to AGV unmanned guided vehicles, production assembly lines, etc.

Advantage
Miniaturization, high torque, intelligentization, etc.

Working Range
Frame： 60, 80, 90, 104
Ratio：3~200；Power：10~400W
BLDC Driver adopts PID speed and current dual closed-loop control.
Voltage：DC24~220V；Power：10~400W

For more details, please scan QR CODE.

Industry-customized development project products

MAIN

- The intelligent warehousing and logistics industry
  —— Servo power steering planetary reduction motor
- Clean energy industry
  —— Planetary gear motors for solar-powered
- rotary trackers are used in intelligent factories for shuttle handling industries
  —— AGV steering wheel integrated machine
- Social public welfare industry
  —— Permanent magnet brushed and brushless reduction motors for elderly mobility vehicles

For more details, please scan QR CODE.

Transmission Planetary Gear Motor

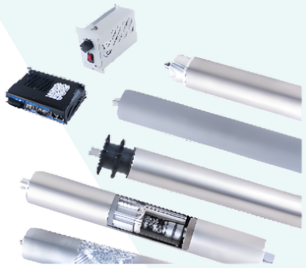
MAIN
Solar photovoltaic equipment, entertainment equipment, medical equipment, logistics equipment.

Advantage
Configurable permanent magnet, AC and stepper motors, featuring long service life, ultra-quiet operation and large torque, etc.

Working Range
Model Size: 32, 42, 52, 62, 72, 82, 105, 120;
Reduction ratio: 3.65~392.98; The first stage has straight tooth input and helical tooth input;
Power: 20~550W

For more details, please scan QR CODE.

Drum Motor



MAIN
Security inspection equipment, logistics equipment, assembly lines, etc.

Advantage
It saves space, features low cost, simple installation and minimal maintenance, and meets operational requirements such as braking, rubber coating and backstopping.

Working Range
Outer pipe diameters: Ø50, Ø60, Ø76, Ø89, Ø113, Ø138, etc.
Linear velocity: 2.035-182.385m/min; The input power supply includes single-phase AC, three-phase AC and high-voltage permanent magnet. Low-voltage permanent magnet Power: 40-1100W.

For more details, please scan QR CODE.

S/SF/SL TYPE Micro BLDC Gear Motor

MAIN
Applied to food machinery, packaging machinery, production lines, and more.

Advantage
Smooth operation, low noise, high starting torque, high transmission efficiency, long lifes pan, etc.

Working Range
Frame: 60, 70, 80, 90, 100, 120
Ratio: 5~200
Voltage: AC220V
Power: 30~1100W

For more details, please scan QR CODE.

ZR/ZDR Planetary reducer

MAIN
Linear manipulators, packaging machinery, assembly lines, etc.

Advantage
Helical gear design ensures smoother gear meshing. Double support, sealed structure, and convenient installation, etc

Working Range
Model Size: 52, 78, 98, 125
Reduction ratio: 3 to 81
The minimum Backlash ≤ 1'

For more details, please scan QR CODE.

AE/AF/ZBF Planetary reducer

MAIN
Machine tools, packaging machinery, woodworking machinery, medical devices.

Advantage
When used in conjunction with servo motors in various control and transmission fields, helical gear transmission features high torsional rigidity and large output torque.

Working Range
AE/AF: 60, 90, 120, 160;
Reduction ratio:3~100;
The minimum Backlash ≤ 1'

For more details, please scan QR CODE.

ZDE/ZDF/ZDS Planetary reducer

MAIN
Machine tools, packaging machinery, woodworking machinery, medical devices.

Advantage
It is used in conjunction with servo motors in various control and transmission fields, featuring high torsional rigidity and large output torque, etc.

Working Range
ZDE/ZDF: 40, 60, 80, 120, 160;
Reduction ratio: 3~512;
ZDS: 115, 142, 190;
Reduction ratio: 3~100;
The minimum Backlash ≤8'

For more details, please scan QR CODE.

Cycloidal pinwheel precision reducer

MAIN
Industrial robot, medical device, machine tool, turntable, positioner, heavy-duty AGV, SCARA, specialized machinery, woodworking machinery, automation equipment, etc

Advantage
High precision, high rigidity, small hysteresis, long service life, maintenance-free, small size, and wide range of speed ratios.

Working Range
RVE: 120BX, 150BX, 190BX, 220BX, 250BX, 280BX, etc.
RVC: 10CBX, 27CBX, 50CBX, 100CBX, 200CBX, etc.
Reduction ratio: 21-281
Backlash≤ 1'

For more details, please scan QR CODE.

Precision harmonic gear reducer

MAIN
Industrial robot, medical device, spacecraft, communication satellite, SCARA, AGV, automated equipment, etc

Advantage
Small in size, light in weight, with a large number of simultaneously meshing teeth, high transmissio n accuracy, small backlash, and a large single-stage transmission ratio, etc

Working Range
Model: ZCSF, ZCSG, ZSHF, ZSHG;
Structure: 2UH, 2SO, 2UJ, 2A, 2SH;
Series numbers: 14, 17, 20, 25, 32;
Reduction ratio: 50, 80, 100, 120;
Backlash ≤ 1'.

For more details, please scan QR CODE.

ZB/ZE/HD Planetary reducer

MAIN
Precision machine tools, laser cutting equipment, battery processing equipment.

Advantage
Helical gear design, in combination with servo motors, is used in various control and transmission fields.
It features an integrated input and output structure, high torque, and high precision

Working Range
ZB: 060, 090, 115, 142, 180
ZE: 070, 090, 120, 155;
Reduction ratio: 3 to 100
HD: 064, 090, 110, 140;
Reduction ratio: 5, 7, 10
The minimum Backlash ≤ 3'.

For more details, please scan QR CODE.

Industrial Robot body

MAIN
Applied to welding, handling, palletizing, polishing, grinding, stamping, loading and unloading on machine tools, etc.

Advantage
Light in weight, fast in speed, with high repeat positioning accuracy, high protection level, and compatible with mainstream drivers and controllers.

Working Range
ZDFX0509, ZDFH0614, ZDFH0620, ZDGT1015, ZDGT2518. etc

For more details, please scan QR CODE.

K2/L2 TYPE Micro BLDC Gear Motor

MAIN
Applied to assembly lines, logistics equipment, packaging equipment, medical devices, and more.

Advantage
The output shaft end has no boss, enabling easy installation, no signal interference, and good sealing performance.

Working Range
Frame： 60~104
Power：15~200W，Voltage：AC220V
speed：100~2000rpm

For more details, please scan QR CODE.

Precision servo press

MAIN
Bearings, motor rotors, gears, automotive parts press-fitting.

Advantage
High precision, linear operation, stable press-fitting, online evaluation of press-fitting products, safety protection, energy conservation, etc.

Working Range
Voltage: Single-phase AC 220V for 3T and below, three-phase AC 380V for 3T and above.
Optional pressure range: 0.5T to 10T.

For more details, please scan QR CODE.