

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: $\varnothing 50$, $\varnothing 60$, $\varnothing 76$, $\varnothing 89$, $\varnothing 113$, $\varnothing 138$, 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 life span, 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 $\leq 1'$



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 $\leq 1'$



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 $\leq 8'$



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 $\leq 1'$



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 transmission 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 $\leq 1'$.



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 $\leq 3'$.



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.