BONENG



Boneng Automatic Power Transmission Boosts Industry Development

Product Overview

BONENG TRANSMISSION(SUZHOU)Co., LTD

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EN-2025.01



COMPANY PROFILE

Founded in 1992

BONENG Boneng was established in 1992. With the unswerving development spirit , innovation and hard work of Boneng people, Boneng Transmission (Suzhou) Co., Ltd. is the headquarters, and has developed assembly plants in Shenyang, Tianjin, Kaifeng, Weifang, Changsha, the United States and India. Boneng have formed localized assembly and localized services, and become a professional manufacturer of mechanical and electrical products integrating design, manufacturing, assembly, and sales services.

The company meets the needs of various industries with a complete range of Controller, Drives, Motors, Gear Motors, Gearboxes, with highly modular, differentiated adaptive design, and industry-specific products.

Boneng Transmission relies on the global unified standard to provide excellent products with high quality, and relies on sufficient inventory to ensure fast delivery.

With professional industry solutions, rich and excellent industry performance, product application technology leadership, Boneng actively serves mining energy, chemical environmental protection, metal metallurgy processing, building materials, lifting and transportation, ports and terminals, electric ships, light industry, food and beverage, textile, agriculture, leisure and entertainment and other fields to meet social needs and promote social progress.

Teamwork and continuous innovation are our working atmosphere, and we ensure the sustainable development of the company with a sound financial strategy, and provide employees with broad development space.

CONTROL

DRIVE

MOTOR

GEAR



X3010 PLC

EtherCAT&Modbus
24VDC



X3050 MOTION CONTROLLER

EtherCAT&Modbus
24VDC

C/F/K/S-M
*・・・D

Integrated Gearmotor Drive











EtherCAT&
Modbus
380~480VAC
0.25~3kW
i=4~355

AM
Variable Frequency Drive



Modbus
380~480VAC
0.75~5.5kW

A1
Variable Frequency Drive



Modbus/CANopen
/PROFINET
380~480VAC
0.75~132kW

C/F/K/S/R
Gearmotor











380~480VAC
0.09~200kW
i=1.25~500

MP/MU/MA
Asynchronous Motor

380~480VAC
0.09~90kW
960/1450r/min
1160/1750r/min



HB/BE/HK
Gearbox



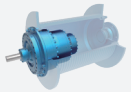
4.2~15775kW
i=5.6~450

P/PK
Planetary Gearbox



0.4~14000kW
i=25~4000

PW
Planetary Winch Gearbox



1~1810kW
i=13~940

PS
Planetary Slewing Gearbox



1~1626kW
i=14~947

J/JB
Jack



0.35~22.63kW
i=5~34

T
Spiral Bevel Gearbox



0.08~303kW
i=1:1~3:1

MX&AX

Permanent Magnet Servo Motor &Servo Drive



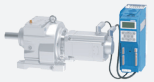
EtherCAT/
PROFINET
380~480VAC
0.28~14kW
1500/2000r/min
3000/4500r/min

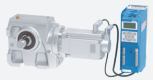
C/F/K/S-MX &AX

Servo Gearmotor &Servo Drive









EtherCAT/
PROFINET
380~480VAC
0.28~14kW
i=1.25~315

PX-MX&AX

Planetary Precision Gear Servo Motor& Servo Drive





EtherCAT/
PROFINET
380~480VAC
0.38~14kW
i=3~100

PN-MN&AN

Planetary Precision Gear Servo Motor &Servo Drive







EtherCAT
380~480VAC
0.28~5.03kW
i=3~100

X3010 Controller



Operating voltage	DC 19.2V ~ 28.8V
Programing language	LD，ST，IL，FBD，SFC
Protection level	IP20
Communication	EtherCAT，Ethernet，Modbus

X3050 Controller



Operating voltage	DC 19.2V ~ 28.8V
Programing language	LD，ST，IL，FBD，SFC
Protection level	IP20
Communication	EtherCAT，Ethernet，Modbus

A1 Variable Frequency Drive



Input voltage	3AC 380 V ~ 480 V±10 %
Power	0.75 kW ~ 250 kW
Protection level	IP20
Certificate	CE

AM Series Drive



Input voltage	3AC 380 V ~ 480 V±10 %
Power	0.75 kW ~ 5.5 kW
Protection level	IP20
Certificate	CE

MP,MU,MA Three-phase Asynchronous Motor



		IEC	China	USA
Name	MP	IE3	3	-
	MU	IE4	2	-
Output torque	0.7 N · m ~ 580 N · m			
Power	0.09 kW ~ 90 kW			
Frequency /Voltage /Conn	50Hz 220V△/380VY, 60Hz 440VY, 60Hz 220V△/380VY 50Hz 230V△/400VY, 60Hz 460VY, 60Hz 380V△/660VY 50Hz 240V△/415VY, 60Hz 480VY, 50Hz 380V△/660VY 50Hz 400V△/690VY, 60Hz 440V△, 50Hz 415V△/720VY 60Hz 460V△, 60Hz 480V△			
Poles	4、6			
Certificate	CE/CCC			

		IEC	China	USA
Name	MA	-	-	MG1
Output torque	0.7 N · m ~ 580 N · m			
Power	0.12 kW ~ 90 kW			
Frequency/ Voltage/Conn.	60Hz 230V△, 60Hz 460V△, 60Hz 575V△ 60Hz 230VY, 60Hz 460VY, 60Hz 575VY			
Poles	4			
Certificate	UL/cc ee			

K Helical-Bevel Gearmotor



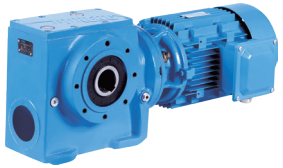
C Helical Gearmotor



F Parallel Shaft Gearmotor



S Helical-Worm Gearmotor



R Worm Gearmotor



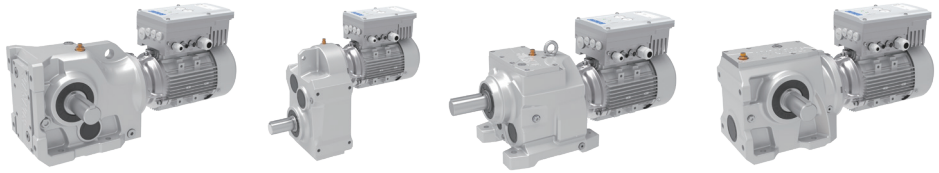
Output torque	35 N · m ~ 58000N · m
Ratio	1.25 ~ 500(imax:26688)
Power	0.09 kW ~ 200 kW
Certificate	CE

MP Inverter-optimised AC Motor



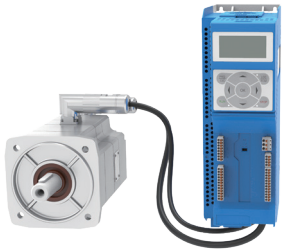
Input voltage	3AC 380 V ~ 480 V±10 %
Power	0.25 kW ~ 3 kW
Protection level	IP55，IP65
Communication	Modbus，EtherCAT

K/C/F/S Inverter-optimised Gearmotor



Output torque	6.7 N · m ~ 3942 N · m
Ratio	4 ~ 355
Power	0.25 kw ~ 3 kW
Input voltage	3AC 380 ~ 480V 10%
Communication	Modbus，EtherCAT

MX Three-phase AC Permanent Magnet Servo Motor & AX Servo Drives



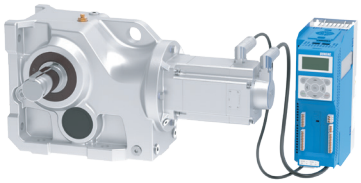
Shaft height	28mm、36mm、48mm、63mm、80mm、100mm
Input voltage	3AC 380 V～480 V±10 %
Power	0.28 kW～14 kW
Output torque	0.8N · m～66.8N · m
Rated speed	1500rpm、2000rpm、3000rpm、4500rpm
Effciency	IE5
Motor protection level	IP66/IP67
Drive protection level	IP20
Communication	PROFINET，EtherCAT
Certificate	CE

MN Three-phase AC Permanent Magnet Servo Motor& AN Servo Drives

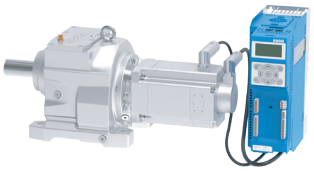


Shaft height	28mm、36mm、48mm、63mm、80mm
Input voltage	3AC 380 V～480 V±10 %
Power	0.28 kW～5.03 kW
Output torque	0.8 N · m～19 N · m
Rated speed	2000rpm、3000rpm、4500rpm
Effciency	IE5
Motor protection level	IP65
Drive protection level	IP20
Communication	EtherCAT
Certificate	CE

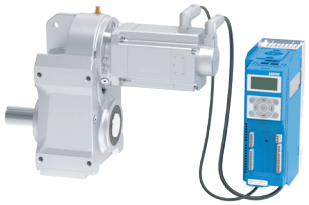
K-MX Helical-Bevel Servo Gearmotor &AX Servo Drives



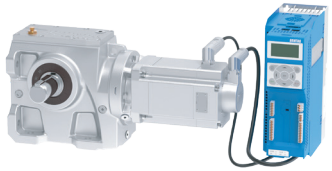
C-MX Coaxial Helical Servo Gearmotor &AX Servo Drives



F-MX Parallel-axis Helical Servo Gearmotor &AX Servo Drives



S-MX Helical-Worm Servo Gearmotor &AX Servo Drives



	Gearbox	Servo Motor
Output torque	1.1N · m ~ 5551N · m	0.8N · m ~ 66.8N · m
Ratio	1.25 ~ 315	/
Power	0.28 kW ~ 14 kW	0.28 kW ~ 14 kW
Effciency	IE5	
Input voltage	3AC 380 ~ 480V ±10%	
Communication	PROFINET，EtherCAT	
Certificate	CE	

PX-MX Planetary Precision Gear Servo Motor



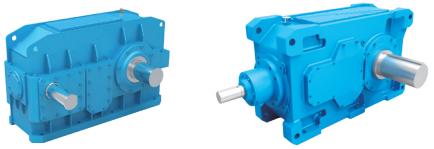
	Gearbox	Servo Motor
Output torque	20N · m ~ 1900N · m	0.8N · m ~ 66.8N · m
Ratio	3 ~ 100	/
Power	0.38 kW ~ 14 kW	0.38 kW ~ 14 kW
Effciency	IE5	
Input voltage	3AC 380 ~ 480V ±10%	
Communication	PROFINET，EtherCAT	
Certificate	CE	

PN-MN Current Planetary Servo Gearmotor & AN Servo Drivers



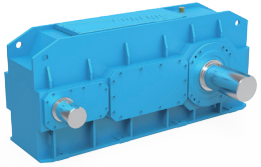
	Gearbox	Servo Motor
Output torque	2.6 N · m ~ 1263.5N · m	0.8 N · m ~ 19 N · m
Ratio	3 ~ 100	/
Power	0.28 kW ~ 3.98 kW	
Effciency	IE5	
Input voltage	3AC 380 ~ 480V ±10%	
Communication	EtherCAT	
Certificate	CE	

H Helical Gearbox &B Bevel-helical Gearbox



Output torque	6.2 kN · m ~ 1030 kN · m
Ratio	5 ~ 450
Power	4.2 kW ~ 15775 kW
Certificate	CE/CMAC

HK Helical Gearbox with Extended Center Distance



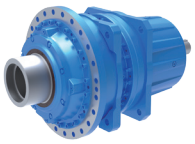
Output torque	11.6 kN · m ~ 520 kN · m
Ratio	14 ~ 250
Power	9 kW ~ 3948 kW
Certificate	CE

BE Bucket Elevator Gearbox



Output torque	6.7 kN · m ~ 265 kN · m
Ratio	16 ~ 400
Power	5.4 kW ~ 2398 kW
Certificate	CE

P Planetary Gearbox



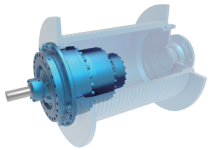
Output torque	10 kN · m ~ 2600 kN · m
Ratio	25 ~ 4000
Power	0.4 kW ~ 14000 kW
Certificate	CE

PK Planetary Gearmotor For Cooling Roll Crusher



Output torque	22 kN · m ~ 117 kN · m
Ratio	220/250/280/320/360/400
Power	4 kW ~ 30 kW
Certificate	CE

PW Planetary Winch Gearbox



Output torque	11 kN · m ~ 1500 kN · m
Ratio	13 ~ 940
Power	1 kW ~ 1810 kW
Certificate	CE

PS Planetary Slewing Gearbox





Output torque	11 kN · m ~ 590 kN · m
Ratio	14 ~ 947
Power	1 kW ~ 1626 kW
Certificate	CE

JB Ball Screw Jack



Load	9.8 kN ~ 490 kN
Stroke	25mm ~ 2500mm
Power	0.27 kW ~ 12.78 kW
Certificate	CE

J Jack

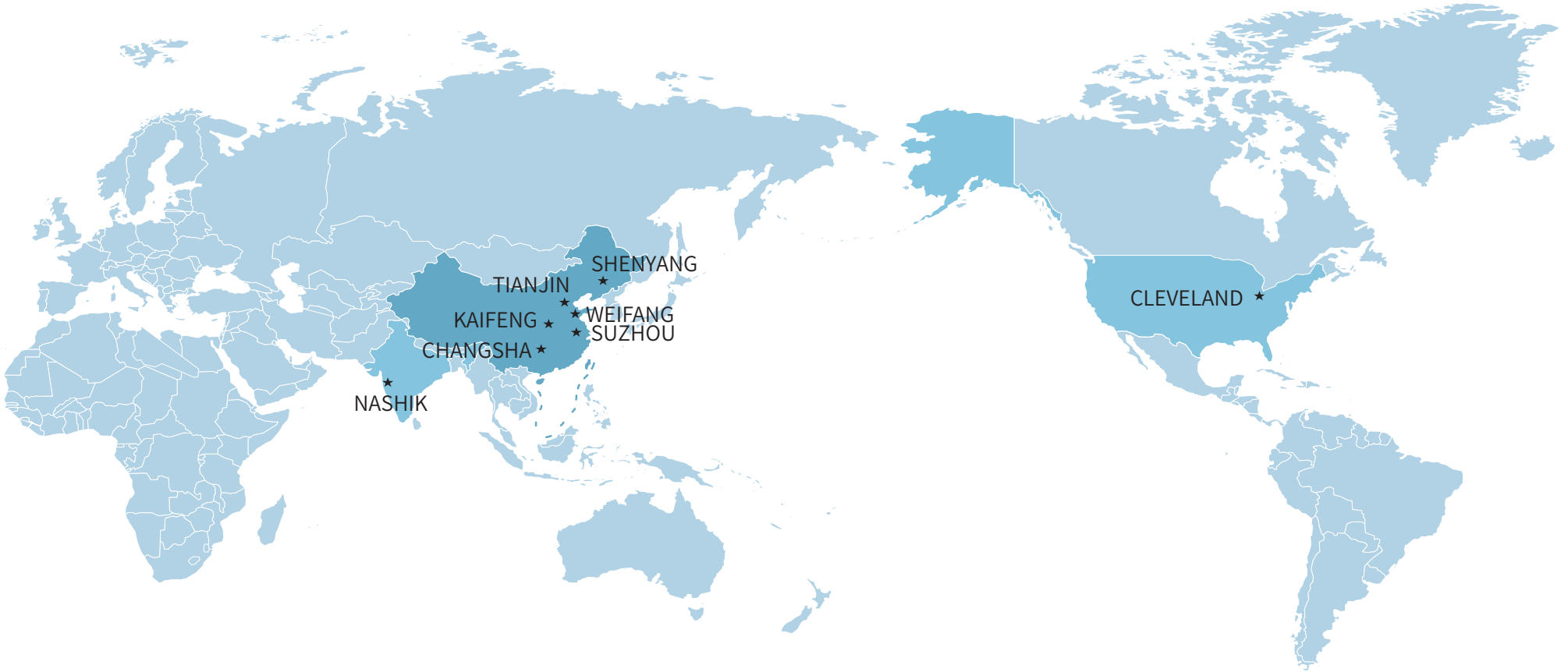


Load	9.8 kN ~ 980 kN
Stroke	25mm ~ 2500mm
Power	0.35 kW ~ 22.63 kW
Certificate	CE

T Spiral Bevel Gearbox



Output torque	7.15 N · m ~ 5713 N · m
Ratio	1:1 ~ 3:1
Power	0.008 kW ~ 302.5 kW
Certificate	CE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