

What you can expect from us

As a customer of KOCO DC-MOTION you can expect professional and courteous service, high quality competitive products, and timely delivery. We work with our customers as a partner and help them achieve their desired outcome within the announced budget. From the very beginning we strive to assist customers in selecting which of our products is best suited for their application. For many applications we frequently develop customized components (motors, gearboxes, encoders, etc).

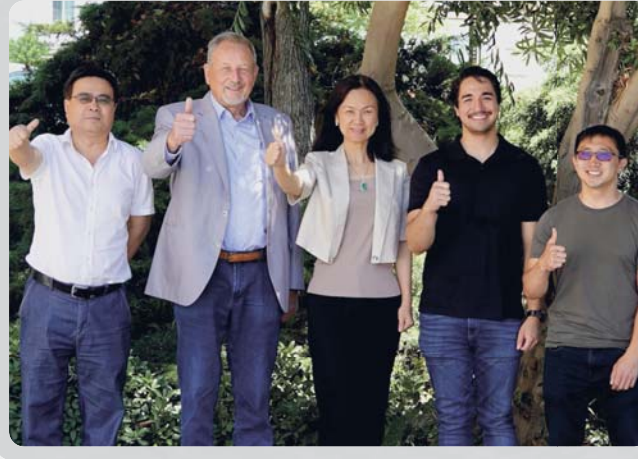
PLEASE CONTACT US and take advantage of our many years of experience in the development and production of a broad range of electric motors and related drive system components. Experience together with our customers the realization of a solution to your drive system/motion control requirement. Visit our website www.kocodcmotion.com for more information.

The synergy of KOCO DC-MOTION with its manufacturing parent entities enables us to offer a broad product line with strong production capacity.

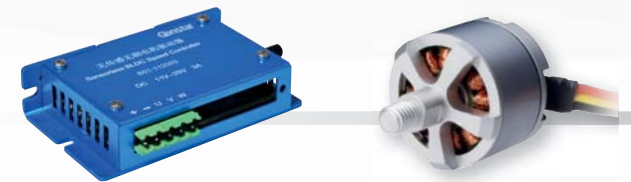
KOCO MOTION GmbH, partner in development

Our team of engineers, scientists, and technicians is at your service to assist with the solution to your drive system/motion control problem. Together, we agree on requirements and specifications and ensure compliance by means of close inspections. We maintain our own test/inspection stations and develop a suitable Quality Control procedure for your application.

BEST SERVICE FROM CALIFORNIA



ELECTRICAL DRIVE TECHNOLOGY
development | production | sales



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...Intelligence in motion

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Who we are

KOCO DC-MOTION, Inc. defines itself as a motion systems house offering top quality drive solutions to the customer, utilizing our DC Motor and Control Technologies.

The products required for our customer's applications are manufactured by our parent companies, CONSTAR MICROMOTOR CO, Ltd. of China and KOCO MOTION, GmbH of Germany.

The company philosophy - „We are only satisfied when the optimum solution has been found for the customer“ - is characteristic of the KOCO DC-MOTION team work ethic.

KOCO DC-MOTION is a problem solver, a partner who is enthusiastic about technology and who is already at home in the future.



▲▼ Constar micromotor (Chongqing) Co., Ltd
Located in Fuling District, Chongqing, China



PRODUCT PROFILE

PRECISION DC CORELESS MOTOR

Diameter	Nominal voltage	Nominal torque	Nominal speed
6 ~ 32 mm	3 ~ 36 V	0.1 ~ 86 mNm	2200 ~ 17450 rpm

Application: precision drives in medical, health care, automobile and industrial automation fields



BRUSHLESS DC MOTOR

	Inner rotor series	Outer rotor series
Diameter	12 ~ 40 mm	13 ~ 87 mm
Nominal voltage	3.7 ~ 48 V	3.7 ~ 48 V
Nominal torque	0.8 ~ 450 mNm	0.8 ~ 6000 mNm
Nominal speed	6000 ~ 45000rpm	1200 ~ 30000 rpm
KV value	500 ~ 10000 rpm/V	500 ~ 10500 rpm/V

Application: UAV, medical equipment, industrial equipment, electrical tools and mini household appliances



PRECISION GEAR MOTOR

Diameter	Nominal voltage	Reduction ratio	Max. cont. torque	Peak torque
6 ~ 28 mm	1.5 ~ 18 V	3 ~ 4096	20 mNm ~ 1 Nm	20 mNm ~ 2 Nm

Application: medical equipment, precision instrument, industrial equipment, security equipment, audio and visual products, high-end toys, personal health care products, etc.



PRECISION SERVO MOTOR

Diameter	Nominal voltage	Nominal torque	Nominal speed	Counts per turn
8 ~ 87 mm	6 ~ 24 V	50 mNm ~ 4 Nm	25 ~ 1000 rpm	2 ~ 1024 cpt

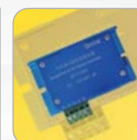
Application: precision control fields such as medical instruments, industrial robots, etc.



ELECTRONIC SPEED CONTROLLER

	External ESC for BLDCM	Internal ESC for BLDCM	ESC for multi-rotor	Servo driver
Input voltage	4 ~ 16 V 6 ~ 24 V 14 ~ 38 V	6 ~ 12 V 12 ~ 28 V	2 ~ 6 s Lipo	9 ~ 24 V
Max. cont. current	5 A	0.4 A / 3 A	20 A / 30 A	5 A

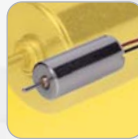
Application: multi-rotor drones, CPAP, pumps, robots, etc.



DC CORELESS MOTOR

	Driving series	Vibrating series
Diameter	4 ~ 22 mm	4 ~ 12 mm
Nominal voltage	1.5 ~ 12 V	1.3 ~ 5 V
Nominal torque	0.03 ~ 3.5 mNm	--
Nominal speed	2720 ~ 55000 rpm	6500 ~ 20000 rpm
Starting voltage	--	0.8 ~ 2.5 V

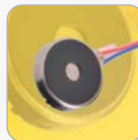
Application: Driving series: mini UAV, remote control toys, mini house hold appliances, etc. Vibrating series: wearable devices, mobile phones, tablet PC and health care equipment



FLAT DC MOTOR

	Driving series	Vibrating series
Diameter	20 mm	8 mm, 10 mm, 12 mm
Nominal voltage	3 V	3 V
Nominal torque	0.3 mNm	--
Nominal speed	6850 ~ 17000 rpm	9000 ~ 13500 rpm
Starting voltage	--	1.5 ~ 2.3 V

Application: Driving series: mini electronic products and toys Vibrating series: wearable devices, mobile phones, tablet PCs and health care equipment



DC CORE MOTOR

Diameter	Nominal voltage	Nominal torque	Nominal speed
8 ~ 28 mm	1.5 ~ 12 V	0.2 ~ 55 mNm	3000 ~ 40000 rpm

Application: Driving series: security equipment, mini electronic products, aircraft, personal cares products and portable tools Vibrating series: communication devices, health care equipment



MINI STEP MOTOR

Diameter	Nominal voltage	Step angle
10 mm, 15 mm, 35 mm	3 V, 5 V, 24 V	9° / 18°, 3,75°

Application: security systems, office automation systems, medical equipment, mini household appliances, and toys



SONIC MOTOR

Diameter	Nominal voltage	Operating frequency
18 mm, 20 mm	3.6 ~ 3.7 V	220 ~ 330 Hz

Application: electric toothbrushes and other products

