

YKA~C Series Stepper Drive



- High performance, low noise
- 1~200 microstep
- 200Kpps response frequency
- Drive current adjustable
- Lock current automatic adjustment
- Fault protection
- Improve motor speed and power
- Voltage: DC15~80V, AC80~220V

YKA/YKB/YKC series are identical-angle constant-torque microstep drive. They're designed for various hybrid stepper motors of two/three phase, 0.1~8A and 42~130mm (NEMA 17~50).

With YAKO's special control circuit, they can dramatically decrease motor noise and vibration. Six-wire technology can double the torque output compared with four-wire drive. In middle speed applications, with the use of high microsteps, stepper motor will be operated in high accuracy.

YKA/YKB/YKC series are widely used in CNC machine, engraving machine, packaging equipment, woodworking machine, laser cutting machine, textile equipment, etc.

Stepper Motor



- 5% accuracy
- -20~+50 C
- 0.8~8A, 0.16~37Nm
- 2 phase: 1.8°, 3 phase: 1.2°
- 42~130mm (NEMA 17~50)

Close-loop Stepper Motor



- 5% accuracy
- -20~+50 C
- 2.3~6A, 0.5~12.5Nm
- 2 phase: 1.8°
- 42~86mm (NEMA 17~34)

YKD Series DSP Stepper Drive



- 32 bit DSP control
- CAN-Bus and Mod-Bus optional
- 1~200 microstep
- 100~400Kpps response frequency
- Drive current adjustable
- Lock current automatic adjustment
- Fault protection
- Voltage: DC15~80V, AC80~220V

YKD series is high performance digital driver based on YAKO's new 32-bit DSP technology. It's designed for various hybrid stepper motors of two/three phase, 0.1~8A and 42~130mm (NEMA 17~50).

With servo-similar control circuit and superior software algorithm, YKD series has great performance in smoothness, noise and vibration. Accurate current control technology greatly reduces motor heat.

It has CAN-Bus, Mod-Bus communication and uniaxial control as options, particularly suitable for long distance, strong interference and multiple motor control applications. It's widely used in textile machines, embroidery machines, security equipment, stage lighting, robots, medical equipment, laser equipment, marking machines, and etc.

SSD Series Colse-Loop Drive



- 32 bit DSP control
- Position close-loop control
- CAN-Bus and Mod-Bus optional
- 1~200 microstep
- 200Kpps response frequency
- Drive current automatic adjustable
- Fault protection
- Voltage: DC24~110V, AC20~80V

SSD series takes the advantages of 32-bit DSP control technology and power angle control technology, maximum speed reaches more than 3000rpm. It's high-speed torque and efficiency attenuation is much lower than ordinary open-loop stepper drive, which can greatly reduce motor heating/vibration.

The position and alarm output ensures safe operation of machine. It works with 42~86mm (NEMA 17~34) close-loop motors.

It's widely used in engraving machine, industrial sewing machine, stripping machine, marking machine; cutting machine, plotter, CNC machine and other automation equipments.

YSS Drive-Integrated Motor



- Drive-motor integrated
- 32 bit DSP control
- Position close-loop control
- CAN-Bus optional
- 1~200 microstep, 57mm motor
- 400Kpps response frequency
- Drive current automatic adjustable
- Voltage: DC24~50V

YSS series drive-integrated motor is similar with SSD series close-loop drive plus a 57mm motor. Its maximum speed reaches more than 3000rpm.

Its high-speed torque and efficiency attenuation is much lower than ordinary open-loop stepper drive.

MS Series Servo-Stepper Drive



- 32 bit DSP control
- Servo function, no step-losing
- 400~60,000 continuous microstep
- 200Kpps response frequency
- Drive current automatic adjustable
- Fault protection
- Six-digit LED display
- Voltage: DC24~80V, AC220V

MS series servo-stepper drive is the latest technology of YAKO. It combines 32-bit DSP motor control technology and power angle control technology, thus completely solved the problem of losing step.

It increases high and low speed performance and torque utilization efficiency, reduce motor heat and energy consumption. It has obvious advantage on cost compared with traditional AC servo system.

MS works with 86~110mm (NEMA 34~42) close-loop motors. Suitable for high torque large automation equipments such as robots, engraving machine, stripping machine, marking machine, cutting machine, plotter, CNC machine, etc.

AS1 Servo System



- 50W-3KW power
- Position, speed and torque control
- 500Hz response frequency
- Inertia automatic recognition
- Mode switching available
- 12-bit analog input
- RS485, ModBus-RTU protocol
- Incremental and 17-bit absolute motor encoder

It's widely used in CNC machine, winding machines, linear robot, wire-electrode cutting, packaging equipment, woodwork machine, etc.

YAKO Motion Control Solution



- Stepper drive
- Stepper motor
- Servo drive & motor
- Motion control
- PLC
- Gear motor
- Screw rod motor

YAKO provides a whole motion control system solution starting from motion control card to various motors, including stepper drive & motor, servo system, PLC, gear motor and screw rod motor.

In addition to traditional standard design and production, we also welcome OEM and customized projects with fast response and same quality.

YAKO provides the whole motion control solution with high performance, reliable products, as well as best service to customers. Thus customers don't need to source different parts from different supplier, which is inconvenient on some level.

YAKOTEC

Automation Technology
Drive the Future

About YAKO

Shenzhen YAKO Automation Technology Co., Ltd. was found in 2006, located in High Technology Industry Zone of Shenzhen, China. Our technology can trace back to 1996, when we finished our first stepper driver prototype.

Now we have more than 200 employees and a factory of more than 5,000 square meters. YAKO's biggest shareholder is Shenzhen Topband Co., Ltd., which has a 273 million USD turnover in 2016 and listed in Shenzhen Stock Exchange with stock code 002139.

After 11 years of development, YAKO owns creative R&D center and well-experienced sales team. We keep on improving our management system, shortening response time and sticking with customers and market.

YAKO always keep innovating and providing high performance and reliable products as well as best service to customers. With "excellent performance and quality" for many years, YAKO successfully became one of the best known brand in Chinese market, developing into one of the fastest growing enterprises in motion control industry filed.

YAKOTEC

—Your Most Trustworthy
Motion Control Supplier

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