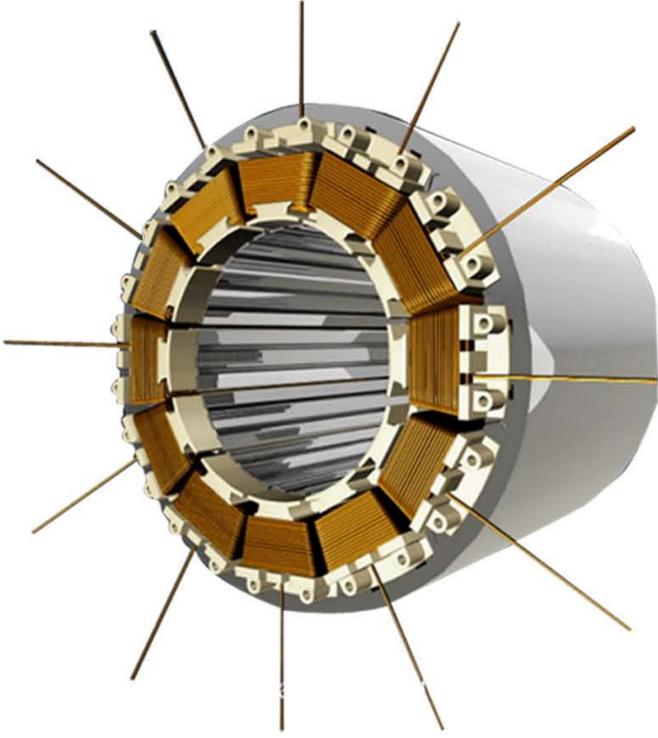


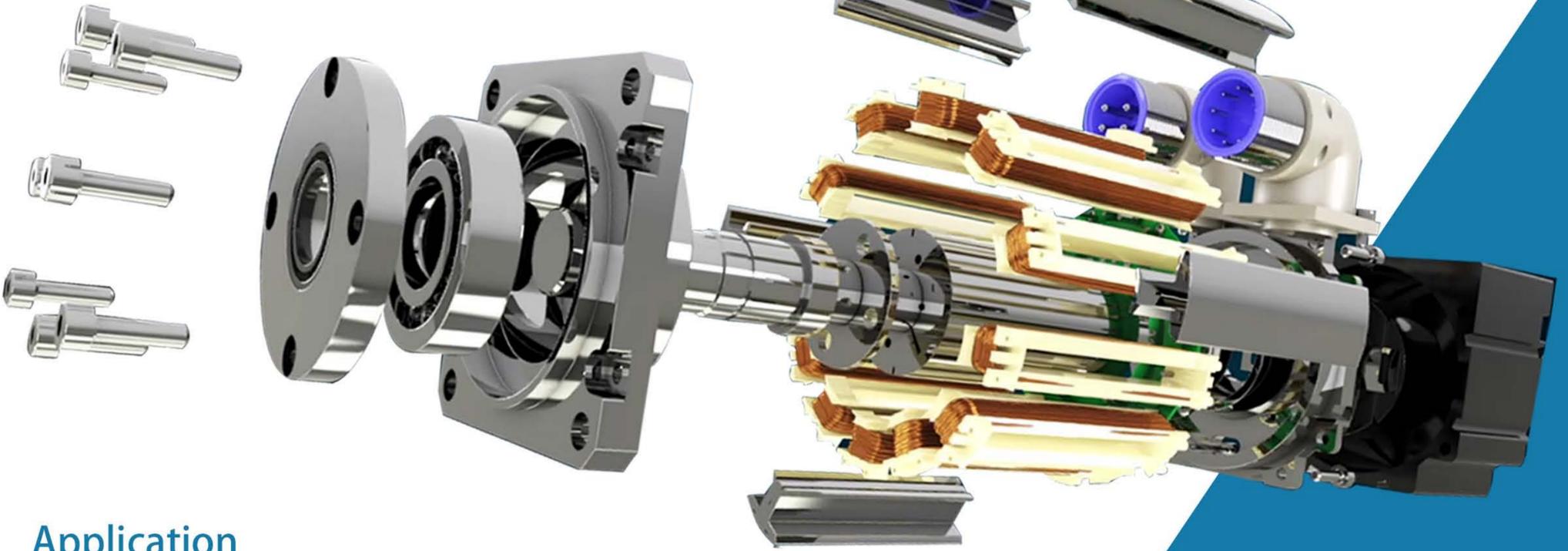
## Segment Design advantage:



Copper space factor > 85%

Temperature rise < 60 °C

Unit volume shorter 5%~10%



## Application



Logistics Carving Automobile Spinning

**THREE TO ONE**  
**合力而为**

**Motor Category:**

BLDC Motor



Hybrid stepper motor



Servo motor



Integrated stepper motor



Roller BLDC motor



Geared motor



## Servo Motor

**Product advantage: High power density, fast response, strong overload capacity, low temperature rise**

- ◆ Motor size: 40, 60, 80, 90, 110, 130, 140, 142, 150, 180, 260 Pancake motor
- ◆ Motor torque: 0.16~48N.m
- ◆ Motor Voltage: 12~110VDC, 220VAC, 380VAC
- ◆ Motor Power: 50-11KW



### Application area:

Automation, Textile machinery,  
Robot, AGV, CNC machinery, Logistics

**THREE TO ONE**  
**合力而为**

# Hybrid Stepper Motor

Product advantage: Low noise, fast response, stable running

- ◆ Motor size: 20, 28, 35, 36, 39, 42, 57, 60, 86, 90, 110
- ◆ Motor torque: 0.6N.m~13N.m
- ◆ Motor Voltage: 12~110VDC
- ◆ Motor step angle: 0.9° , 1.8° , 1.2°



Can drive 4-wire, 8-wire two-phase stepper moto  
Voltage range: 20-80VAC, 30-112VDC  
Max current: 8.2A  
Resolution ratio: 0.1A (Min current: 1.0A)  
Support communication protocol: CANopen, Compatible  
with most CANOpen on the market

## Application area:

Automation, Textile machinery,  
Agricultural machinery, Fire-fighting robot,  
AGV, Limelight, Medical machinery

**THREE TO ONE**  
**合力而为**

## Planetary Reducer

**Product advantage:** high precision, low noise, long life-time,  
No maintenance, good match to motor

- ◆ Reducer size: 35, 42, 60, 90
- ◆ Reducer torque: 3~150N.m
- ◆ Return clearance precision: Servo reducer (10~15 arcmin), Stepper (BLDC) reducer (15~20 arcmin)
- ◆ Low noise  $\leq 55\text{dB}$
- ◆ Life-time  $\geq 20000$ 小时
- ◆ Working temperature:  $-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$
- ◆ Protection level: IP67



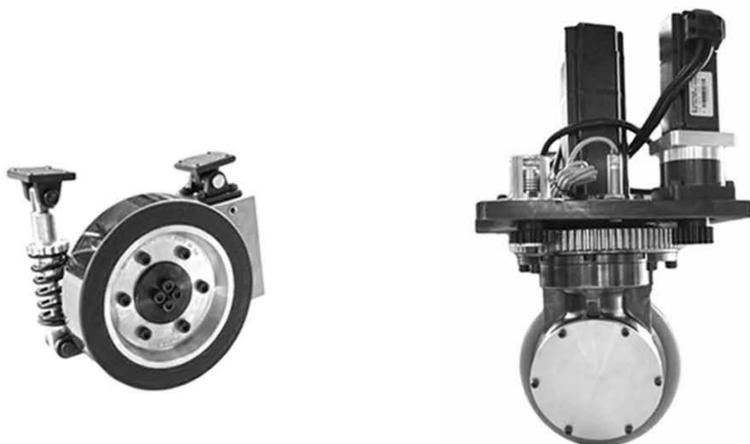
## AGV Reducer

**Product advantage:** high precision, good stability, big output torque,  
big overload, long life-time



## Fork-lift reducer

**Product advantage:** Good shock absorption, good stability,  
good running precision, Small space ratio



## Application area:

Automation, textile machinery, agricultural machinery, intelligent field, fire fighting robot, AGV, stage lighting, engraving machine, etc.

# Integrated Servo Motor

Product advantage: Space saved, Low temperature rise, Operation easily

- ◆ CANopen, Modbus RS485 and Pulse communication
- ◆ 4 digital input signals that can be customized, supporting PNP/NPN
- ◆ 2 digital output signals that can be customized, supporting PNP/NPN
- ◆ 24-60VDC power supply, built-in 24VDC lock power output



## Application area:

Automation, textile machinery, robotics, AGV,  
CNC machine tools, engraving machines, etc

**THREE TO ONE**  
**合力而为**

## BLDC Motor

**Product advantage: low noise, fast response speed, smooth operation**

- ◆ Motor size: 38 50, 67, 80, 108, 113
- ◆ Motor torque: 0.1~80Nm
- ◆ Motor voltage: 24~310VDC, 220VAC
- ◆ Motor power: 5~400W



**Application area:**

Logistics, transportation etc.

**THREE TO ONE**  
**合力而为**

## BLDC Motor

Product advantage: wide speed range, wide working voltage wide, high efficiency

- ◆ Motor size: 33, 42, 57, 60, 80, 86, 90, 110, 130
- ◆ Motor torque: 0.01~15N.m
- ◆ Motor voltage: DC; 12 VDC~310VDC, AC: 110VAC~220VAC
- ◆ Motor power: 10W~5KW



### Application area:

Automobile, automation, Textile machinery,  
Medical equipment, Household appliances,  
AGV, photovoltaic, fan, pump, etc.

**THREE TO ONE**  
**合力而为**