

# SIMPHOENIX

**Shenzhen Simphoenix Electric Technology Co., Ltd**

Control the Future by Innovation and Technology



# About Us

Shenzhen Simphoenix Electric Technology Co., Ltd. is a private high-tech enterprise in Shenzhen, a high-tech enterprise recognized by the state and a software enterprise recognized by the Shenzhen Municipal Science and Technology and Information Bureau. The company was established in 2004 and specializes in the development, production, sales and service of industrial automation products.

## Main Products



**Transmission Products**  
Standard Machine And Industry Plane



**Motion Control Products**  
Servo, Motor



**Industrial Control Products**  
Programmable Controller, Man-machine Interface, etc.

## R & D Status



114 Independent Patents



R&D Personnel Account For 25%



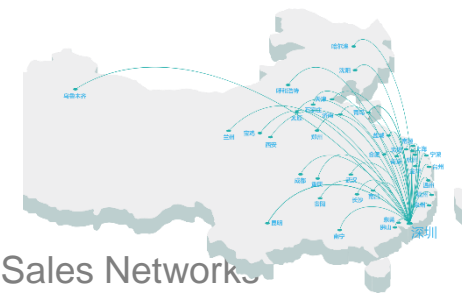
R & D Investment Of More Than 20 Million Yuan / Year

## Marketing Network

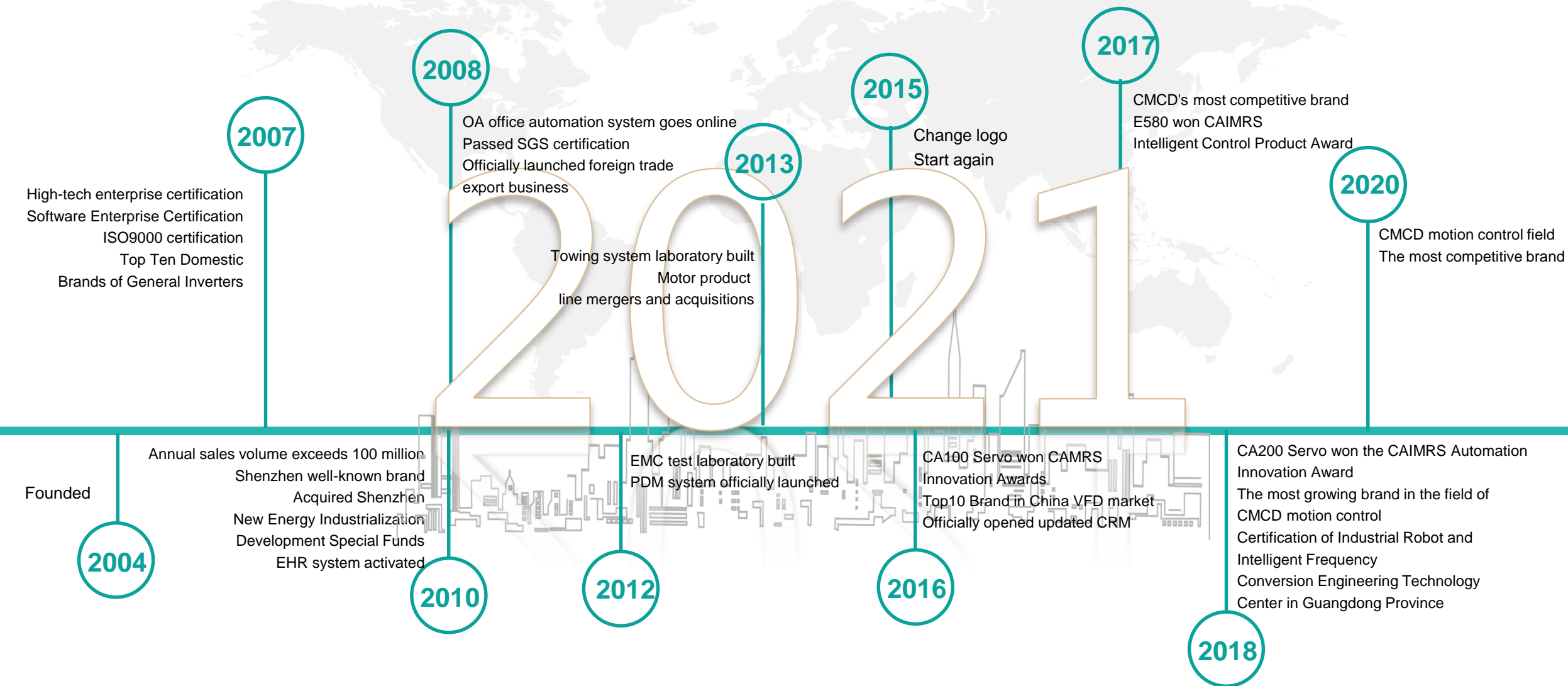
5 Regions

35 Offices

15 Overseas Sales Networks



# Development History



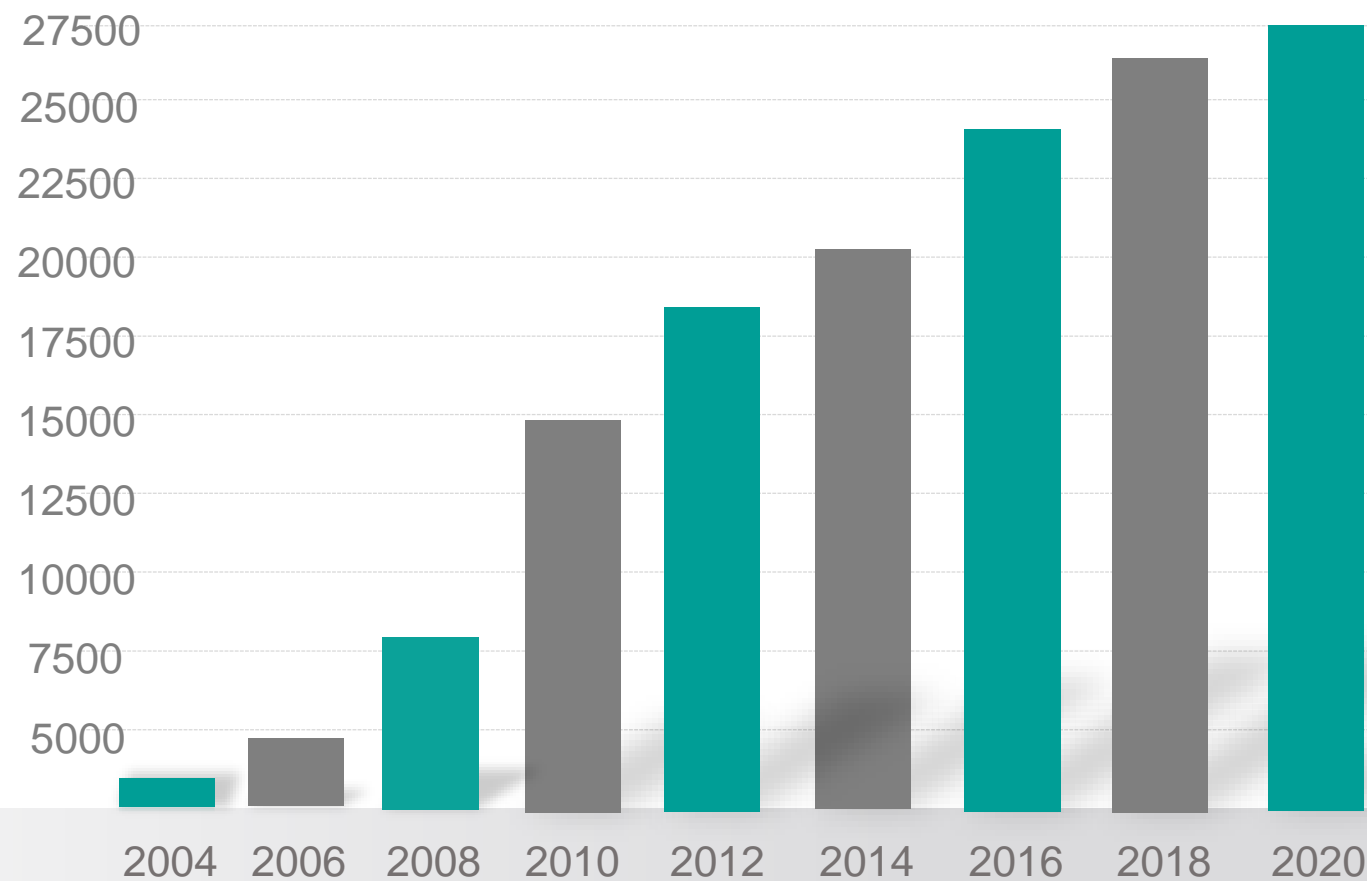
# Operating Income

Sales Performance In 16 Years

More Than **100** Times

——

Operating Income (Ten Thousand Yuan)





# Product Architecture

## Motion Control Products



CA100 Series Servo Drive  
CM105 Series Servo Motor

CA150 Series Servo Drive  
CM150 Series Servo Motor



CA200 Series Servo Drive  
CM200 Series Servo Motor

## Industrial Control Products



EP series Programmable Controllers



EM Series Man-machine Interface

EM3 Series Man-machine Interface



## Industry Plane



S390 Series Water Pump  
Dedicated Frequency Converter



Inverter For Engraving Machine



TS6000 Series Water-cooled  
Inverter



FS100 Series  
Dedicated Cabinet Inverter



S5900 Series  
Air-cooled Cabinet Inverter



TX9000 Series Fan Water-cooled  
Cabinet Inverter

## Standard Machine



E550 Series  
Universal Type  
Low Power Inverter



E580 Series Vector  
Type General  
Purpose Inverter



DX200 series  
Closed Loop  
Vector Inverter



DX100 Series  
Closed Loop Vector  
Inverter



DL100 Series  
General Type  
Inverter



V800 Series High  
Performance  
Energy Vector Inverter

# Supplier Review Mechanism



## Material Melection

Infineon

IXYS  
INCIDE SAN SEBASTIAN

FUJITSU

TDK

TEXAS  
INSTRUMENTS

SEMIKRON  
innovation+service



1 Year Supplier Evaluation Period



10% Trial Of Materials



General Manager Of important Components Personally Approved



Performance Evaluation Once In June

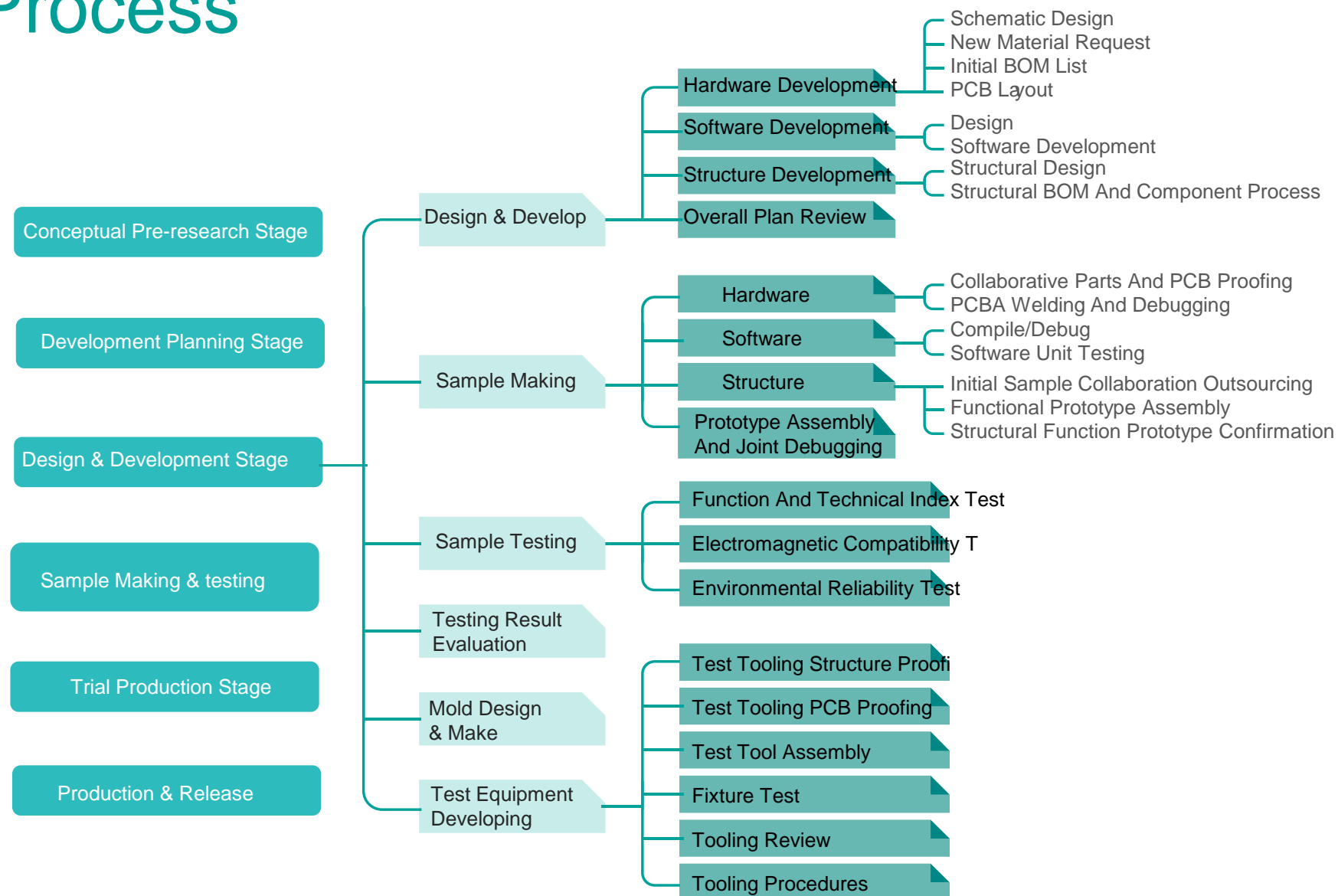
# Standard R&D Process

6 Major R&D Processes

98 R&D Nodes

7 Key Link Reviews

Multi-institution,  
Multi-department  
testing



# Quality Assurance

## EMC Experiment

- Conducted immunity (CS) test
- Conducted harassment (CE) test
- Voltage Dips and short Interruptions
- Voltage fluctuation test
- Power cable lightning surge test
- Radiation immunity (RS) test
- Radiation emission (RE) test
- Harmonic test
- Fast bursts test
- Communication cable lightning surge test
- Harmonic test

## Environmental Reliability Test

- Single Wing Drop Test
- Salt Spray Test
- Constant temperature and humidity and high and low temperature gradient test
- Aging Test
- Low Temperature Work Test
- Thermal Shock Test
- Sine Sweep Test
- Random Vibration Test
- Classic Impact Test

## Routine Inspection

- Routine inspection test
- Temperature rise test
- Acceleration and deceleration impact test
- Motor rotation accuracy test
- Startup resistor impact test
- Over-heat protection test
- Overload performance test
- Over-voltage or under-voltage protection test
- Current side voltage sampling accuracy and linerlity
- PCB test
- Short- circuit test
- Load-impact test
- Power factor test
- Efficiency test
- .....





# Production Guarantee

Production Area

10,000+ m<sup>2</sup>

Meet Your Production Requirements

Annual Production Capacity

240,000 Units

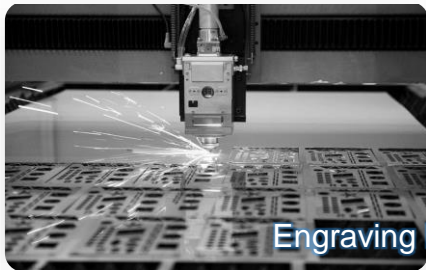
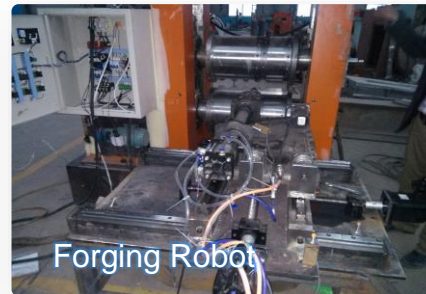
Have A Good Reputation And Brand Awareness

New Park

80,000 m<sup>2</sup>

Technology Park To Improve Production And Supply Capacity

# Industry Application



## Servo And Motion Control

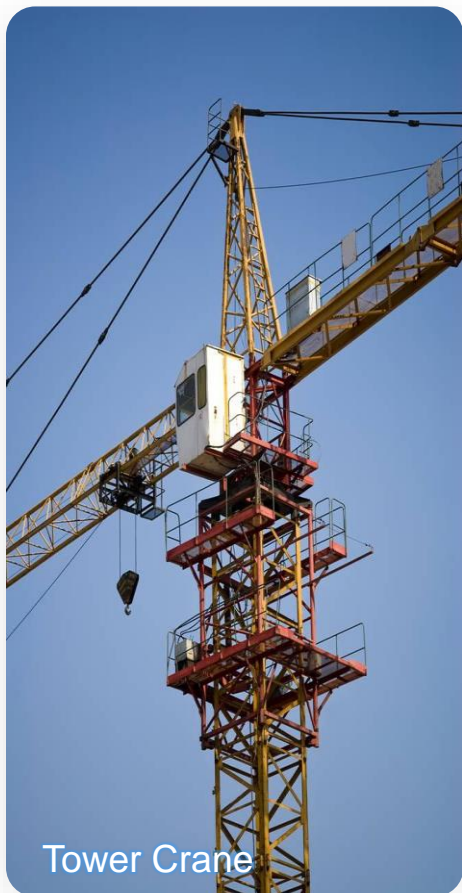
- Forging Machinery
- Textile Machinery
- Printing And Packaging
- Woodworking Machinery
- Food Machinery
- Engraving Machine

## Industrial Control

- Textile Machinery
- Printing Machines
- Packaging Machinery
- Food Machinery



# Industry Application



Tower Crane

## Standard Machine

- Cable Machinery
- Petrochemical
- Transmission Machinery
- Road Building Materials
- Machine Tool

## Industry Plane

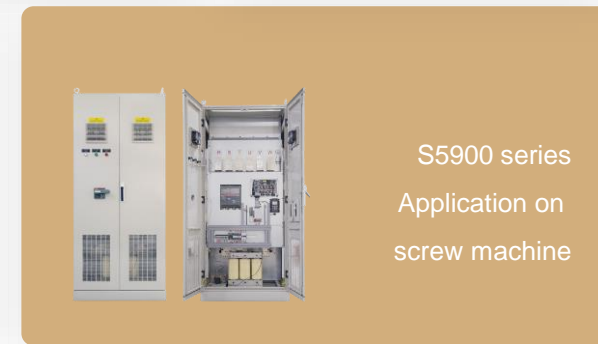
- Engraving Machine Industry
- Frequency Conversion Screw Air Compressor
- Old-fashioned Screw Air Compressor
- Frequency Conversion



Shield Machine Application



Brick Machine



S5900 series  
Application on  
screw machine





# Partner

We have established good partnerships with many well-known companies, mutual benefit and win-win, and create a better future

Simphoenix Electric



蓝思科技  
LENS TECHNOLOGY





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