

创新科技 掌控未来
Control the Future by
Innovation and Technology



深圳市四方电气技术有限公司

Shenzhen Simphoenix Electric Technology Co., Ltd

www.simphoenix.com.cn

About Us

关于我们



- Established in **2004**
- Top **10** Brand in China
- National high-tech enterprise
- Sales amount exceed **37** million USD



- Servo Drive
- Low Voltage AC Drive
- Servo Motor
- PLC
- HMI



- **86** Patents Protection
- **25%** R&D Staff
- More than **3** million USD/year in R&D

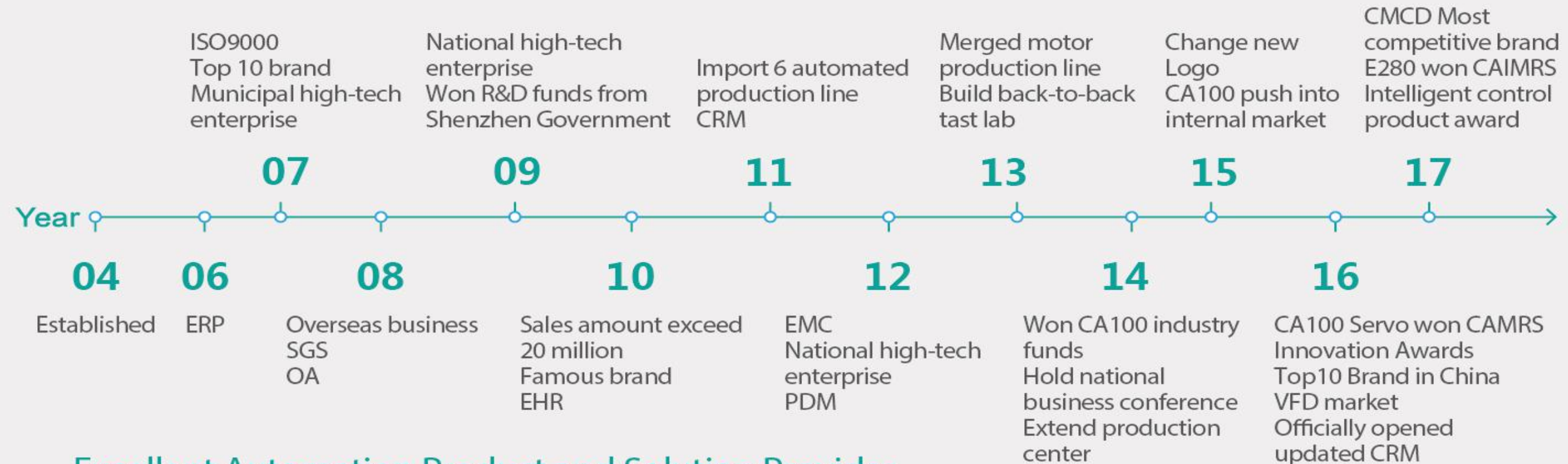


5 Regions
35 Offices
 Nationwide distribution & Service network with quick-response to customers

24小时服务热线
400-8819-800

Our History

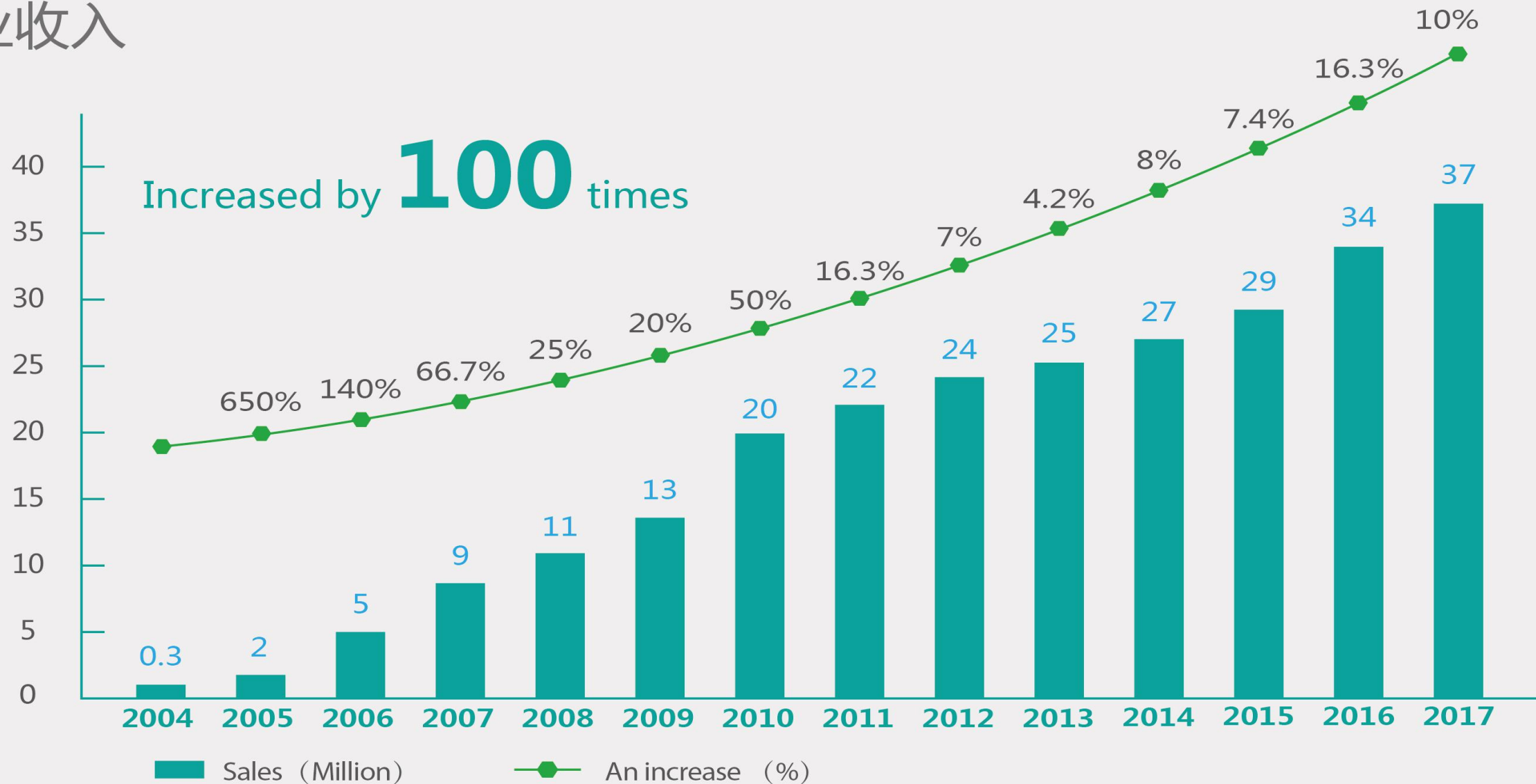
四方历史



Excellent Automation Product and Solution Provider

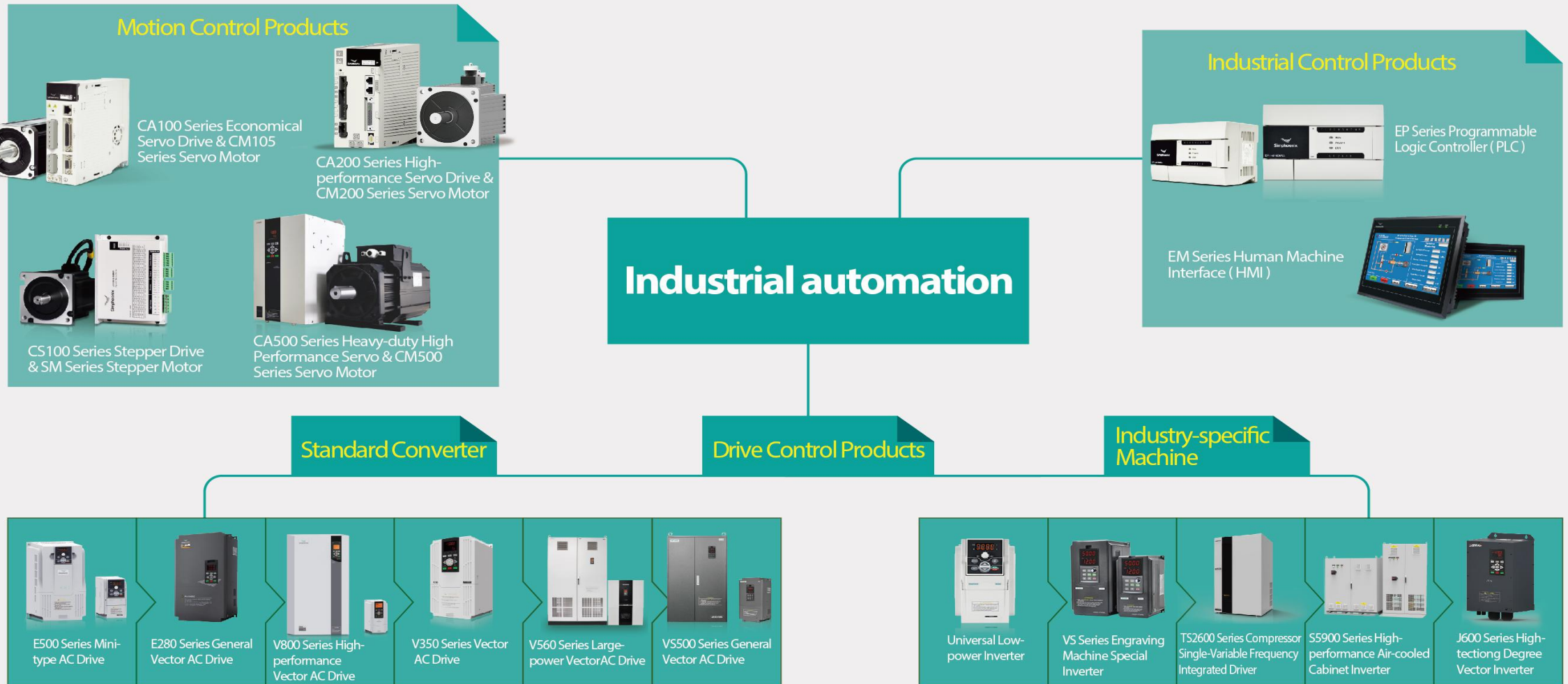
Sales

营业收入



Product Architecture

产品架构



Standard Research Process

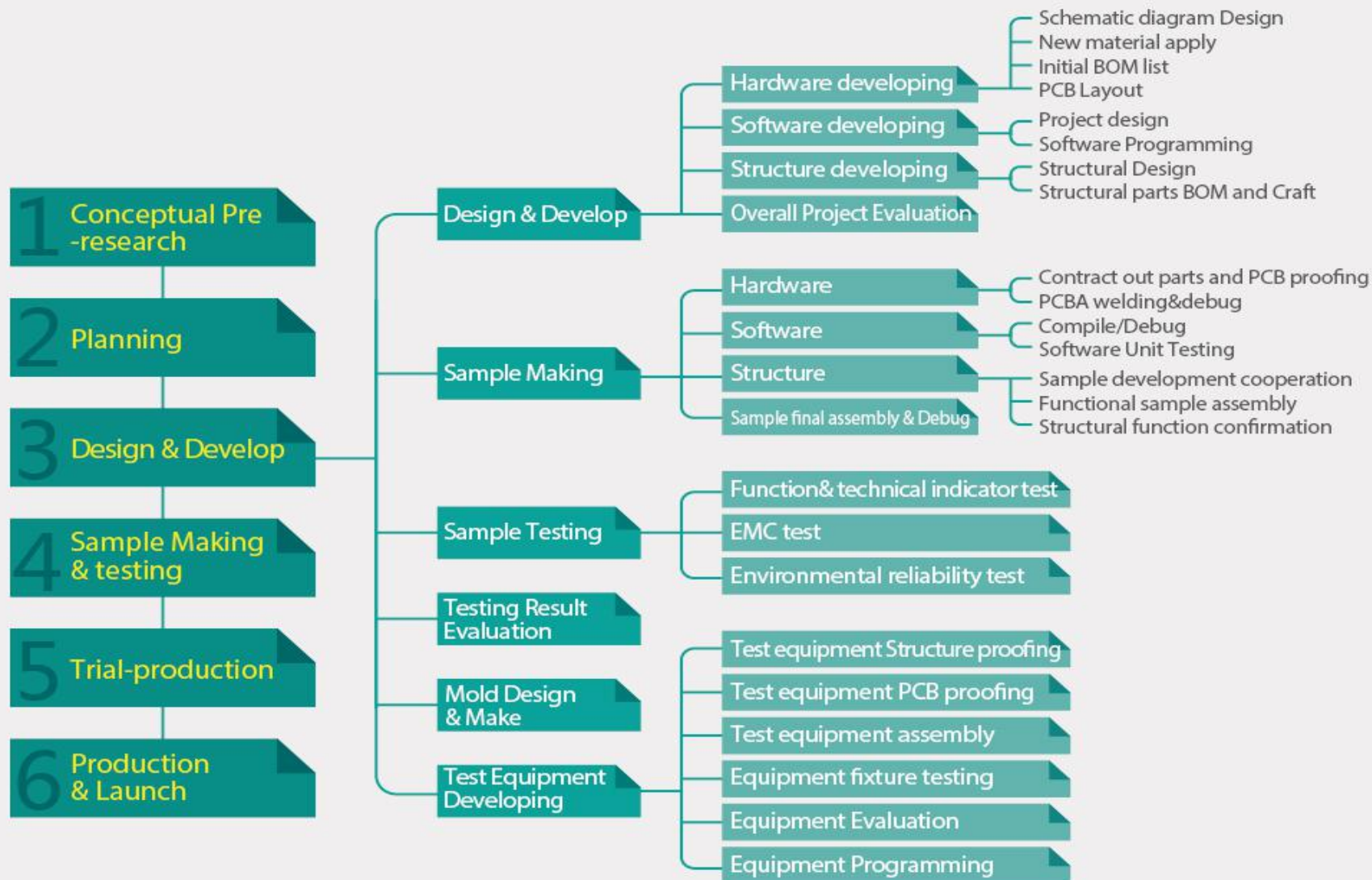
标准研发流程

6 R&D Process

98 R&D Node

7 Key Step Evaluation

Multi-institution Multi-department Test



Supplier Audit

供应商审核机制

1 year supplier assessment

10 % material on trial

Important component approved by **GM**

Once **6** months performance assessment



Material selecting



Quality Assurance

品质保证

EMC Testings

- 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



Quality Assurance

品质保证



Environmental Reliability test

- Wing drop test
- Salt spray test
- Constant temperature/Humidity and High-low Temperature gradient test
- Ageing test
- Low-temperature working test
- Thermal shock test
- Sine scan test
- Random vibration test
- Classic impact test



Quality Assurance

品质保证

Routine Testings

- 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 Assurance

生产保证

- Factory area **10000** square meters
- **6** Full-automatic production lines



Key Products

重点产品



CA100 Series Servo Drive & Servo Motor

- 3 Times Overload Capacity
- 2ms Positioning
- 1 Pulse Deviation



E280 Series General Vector AC Drive

- Extensible Modules For I/O, PG, MODBUS, PROFIBUS
- VF/SVC/VC Control, Torque, Speed Mode
- Low Speed 200% Torque



EP15 Series Programmable Logic Controller (PLC)

- 4 Channel, 100 kHz
- 32 Digit Pulse Positioning
- High Speed Counting Interrupt Function



EM2 Series Human Machine Interface (HMI)

- 400 MHz CPU, 128 M DDR
- 256 M Storage
- 16 Million High Definition Display

Market Performance

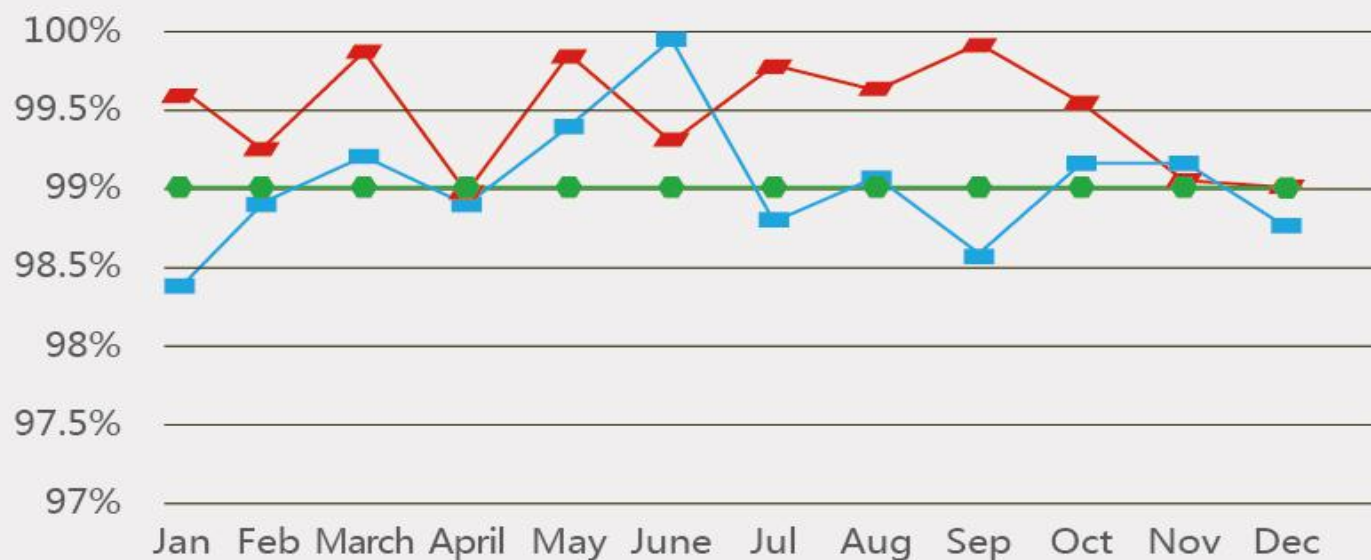
市场表现

Serial Number Collect	V350	E280	V560	VS500	E500	PLC	HMI	CA100	CA500
Sales in 18 Month (pcs)	20830	10001	4165	18002	55872	1805	3580	4217	1430
Failure rate in three years (average 6 month) (%)	2.1%	1.79%	1.3%	2.5%	1.85%	0.09%	0.11%	1.52%	1.43%
Failure rate in warranty (average 6 month) (%)	1.17%	0.95%	0.77%	1.31%	1.01%	0.09%	0.11%	0.87%	0.59%

Product One-pass Rate

产品直通率

2016 Product one-passt rate curve



- Target value
- Product one-pass rate
- Performance testing superior rate

Month	Product one-pass rate	Target value
1	99.56%	99%
2	99.31%	99%
3	99.94%	99%
4	99.00%	99%
5	99.93%	99%
6	99.38%	99%
7	99.87%	99%
8	99.62%	99%
9	99.96%	99%
10	99.53%	99%
11	99.08%	99%
12	99.07%	99%

Industry Application

行业应用

Servo and Motion Control

- Forging Machine
- Textile Machinery
- Printing Mechanism
- Packing Machinery
- Food Machinery
- Carving Machine



Forging Manipulato



Textile Machine



Large Hydraulic Equipment



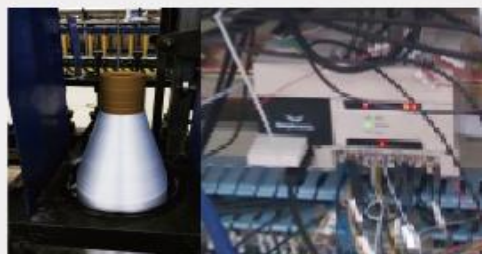
Printing paper feeding machine



Laser Engraving Machine

Industrial Control Products

- Textile Machinery
- Packing Machinery
- Printing Mechanism
- Food Machinery



Glass Twisting Machine



Food Packing



Industry Application

行业应用

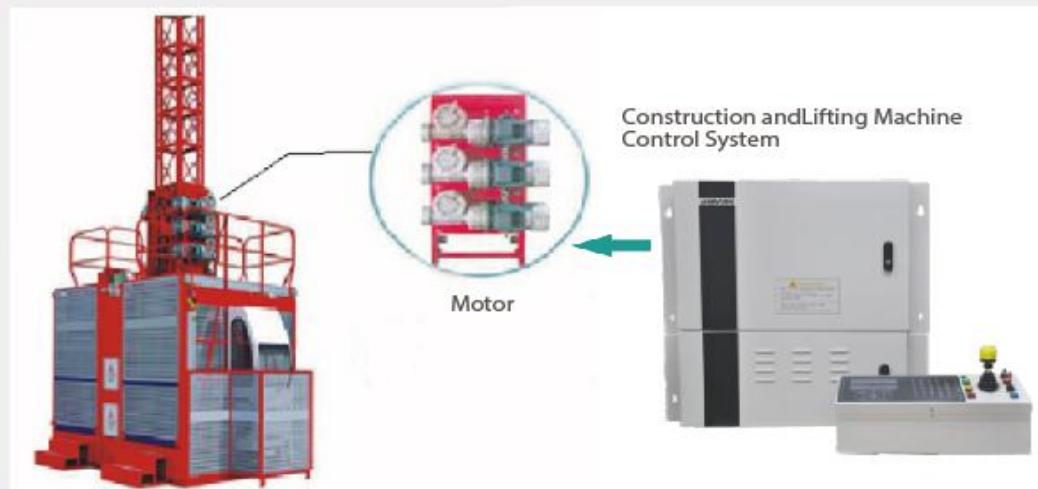
Profession Special Machine

- Engraving Machine Industry
- Variable Frequency Screw Air Compressor
- Old Screw Air Compressor
- Frequency Conversion Reconstruction



VS500 In Engraving Machine Industry Application

TS Series in the Construction and Lifting Machine Control System



Construction and Lifting Machine Control System

Motor



TS series Screw Air Compressor Control System



S5900 Series In Variable Frequency Screw Air Compressor Application

Industry Application

行业应用

Standard Converter

- Cable Machinery
- Petrochemical Processing
- Transporting Machine
- Textile Machinery
- Road Building Materials
- Machine Tools



V560 Series in the tower crane Application



E580 Series in shield machine Application



E550 Series

Application in slotting machine

Application of air coating machine



V350 Series

Application in foil winding machine

Application in wire saw



Cooperative Clients

部分合作客户



Cooperative Clients

部分合作客户



Thank You!



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