

# *Company Introduction*



*Servo & Sensors / Motion & Robot System*



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I	Company
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III	Products
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Company





## Total Solution Provider !!

With low cost, high performance

HIGH  
Performance

# MECAPION

Total Solution

Encoder / SERVO Motor / SERVO Driver /  
Motion Controller / HMI / Robot System

LOW Cost





## 1. Head office & Main Factory

- Establishment : 17. July, 2001
- Location : High-tech Industrial Park,  
Daegu city, Korea
- Expansion : 15, Nov, 2004
- Size : Land - 3,297 m<sup>2</sup> , Building – 3,360 m<sup>2</sup> (3 Floor)
  - A Part (2F, 3F) : Office, Production, R&D center
  - B Part ( 1F ) : Testing Room, Storage



## 2. Kyung-in Center

- Location : Gunpo city, Korea
- Size : 471 m<sup>2</sup>
- Works : Sales, Technical support, A/S for Central area





### 3. Subsidiary Company (China Factory)

1. Name : WUXI MECAPION MACHINERY&ELECTRICAL CO.,LTD.
2. Location : Wuxi city, Jiangsu province, China
3. Invested amount : USD 6,000,000.00(100% invested by Metronix)
4. Establishment : 28<sup>th</sup>. Feb. 2005
5. Size : 1) Land - 14,934 m<sup>2</sup>  
2) Building - 4,250 m<sup>2</sup>  
3) Construction period – Aug. '05 ~ Jan. '05.
6. Activity : Production for Rotary Encoder, AC Servo Motor / Drive  
Component Processing
7. Total Employee : 120 Persons
8. Guangdong office : Dongguan City, Guangdong Province, China







## Mecapion - History

### Sensor (1995 – 2000)

- Established metronix & Started Sensor Business
- Certified Venture Enterprise
- Started Servo Business
- Change into Incorporated Company
- Attracted Investment & increased the capital
- Free issue of new shares
- Selected Advanced Millennium company

### Servo & Sensors (2001 – 2004)

- Moved to New factory
- ISO9001 Approval
- Set up ERP System
- Set up *Kyung-in Branch office*
- Attracted Investment & increased the capital (2<sup>nd</sup> time)
- Certified INO-BIZ Enterprise
- Set up *China Marketing Center*
- Win the Prime minister Prize in the Innovation Award
- *Be awarded a export tower (USD 1million)*
- Set up Kyung-in Center

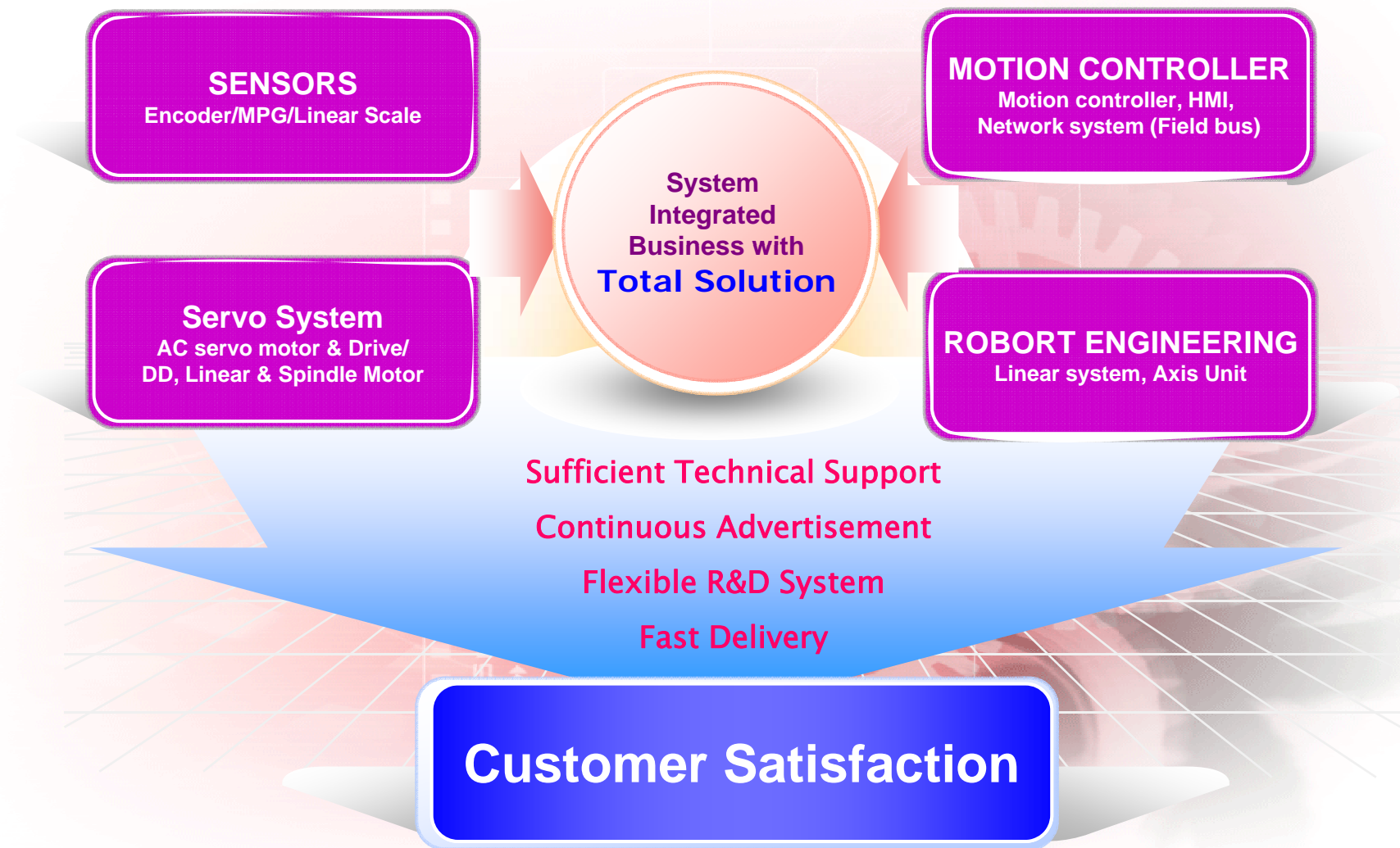
### Servo & Sensors Motion & Robot System (2005– )

- Started Motion system business
- Win the Star company in Daegu city
- Set up a subsidiary company in Wuxi, China
- Attracted Investment & increased the capital (3<sup>rd</sup> time)
- Be awarded a export tower (*USD 3million*)
- Get 30% of share capital for ASIC design company
- Get 2kinds of Patent (Encoder)
- Changed Company name to MECAPION
- Released Motion controller (MTX)
- Win "Daegu Star company" by Daegu City
- Win "Grand Prize" by Daegu City
- Open Guangdong office in China
- Start Robot Engineering business
- Released DD motor



## Mecapion – Core Value

Company







Brand





### Moving Towards Tomorrow



#### *FRESH*

- A company that is always active
- A company full of passion
- A company that likes challenge

#### *SHARED*

- A company where We feel like we feel like we are the owner.
- A company that we feel as ours

#### *CREATIVE*

- A company that creates new value
- A company that emphasizes Individuality and originality
- A company that provide an environment of self-management

#### *TRUE*

- A company that fulfills its roles and responsibilities to the community
- A company that offers the highest value to its shareholder



## The Leading Brand in Automation



**Mechatronics + Champion**

**Mechatronics + New Pioneer**



**Any Model**

**Any Function**

**Any Service**

**The Brand for Niche Markets with customized Products**





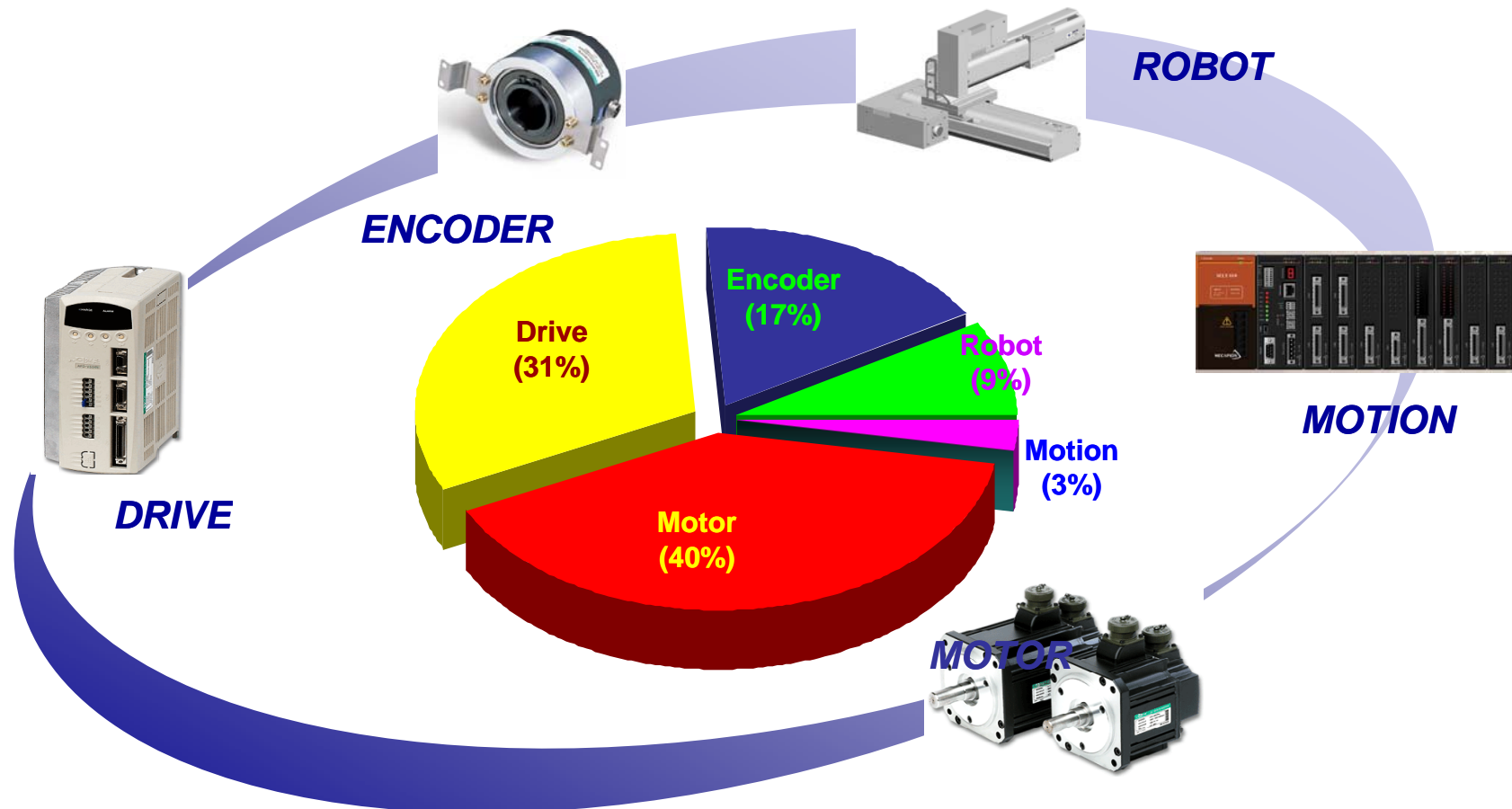
# Products





# Products Portfolio

Products





# Sensor

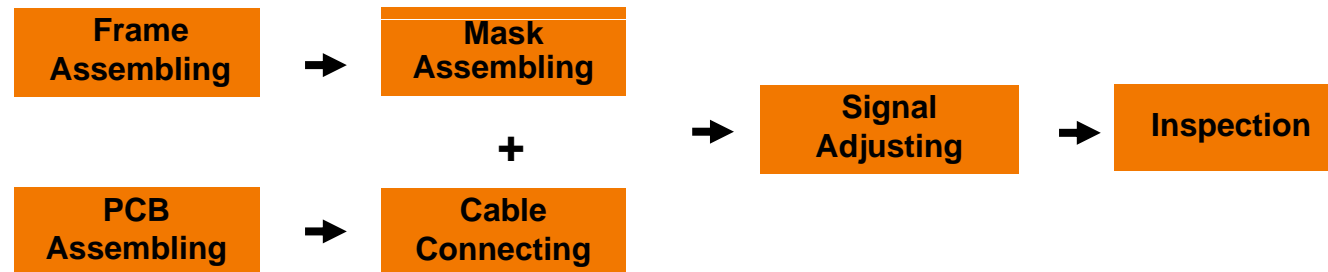
Products

**Capacity** 500,000 PCs / Year  
10PPR ~ 8192PPR

**Model** Incremental Encoder  
Absolute Encoder  
Serial Encoder  
MPG & Portable MPG



## Process



## Application

Elevator / Escalator  
Servo Motor  
Industrial & Living Robot  
FA & OA Appliance

Textile Machines  
CNC Lathe & Machine tools  
Measuring Instruments  
Lubricator





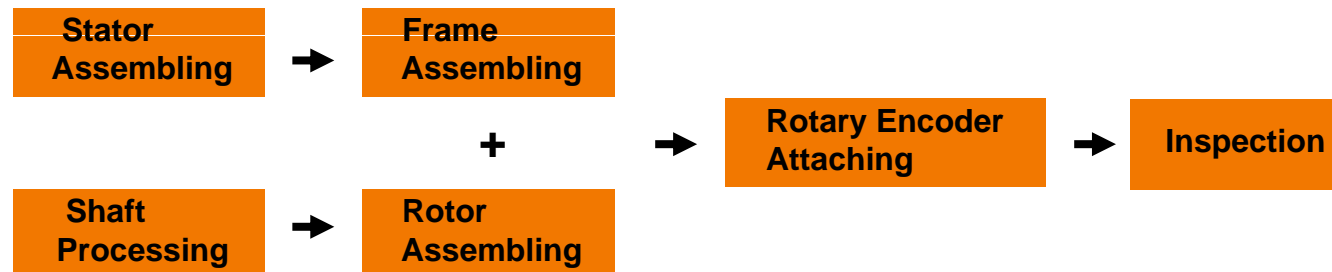
## AC Servo Motor

**Capacity** 50,000 PCs / Year, 30W ~ 37KW

**Model** Solid shaft Servo Motor(3000rpm ~ 5000rpm)  
Hollow shaft Servo Motor(3000rpm ~ 5000rpm)  
Spinner Motor(5000rpm ~ 8000rpm)  
Direct Drive Motor (Torque motor)



### Process



### Application

Textile Machines  
Welding Machines  
Winding Machines  
Industrial Robots

Semi-conductor Equipments  
Packing Machines  
CNC Lathe & Machine Tools  
Injection Molding Machines



# AC Servo Drive

Products

**Capacity** 50,000 PCs / Year

**Model** Standard type Servo Drive (VS)  
Control type Servo Drive (VP)  
Advanced Servo Drive (V3S)  
Economic Servo Drive (VK)



**Process**



**Application**

Textile Machines  
Welding Machines  
Winding Machines  
Industrial Robots

Semi-conductor Equipments  
Packing Machines  
CNC Lathe & Machine Tools  
Injection Molding Machines



# Robot

Products

## Model

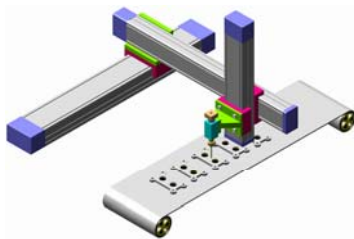
- Cartesian Robots (MS series)
- Clean Robots (MC series)
- Belt Type Robots (MB series)
- Motion Robots (MM series)
- Robots Combinations
- Robot Brackets (MK series)

## Specification

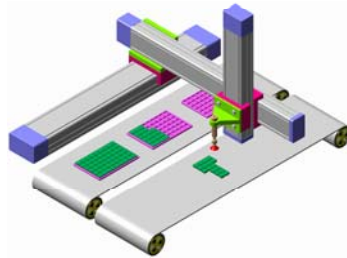
- Strong and light design with Structure Analysis
- Wide lineup for various weight
- Simple and Compact design for convenience use

## Application

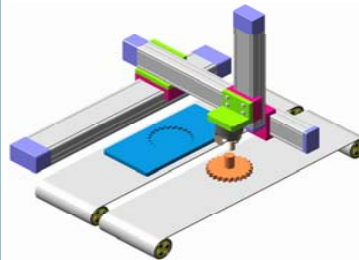
Dispensing



Palletizing



Pick and Place





## New Products - Super Large sized Servo system

**Model**

- APM-SH220G/VS220N (22KW)
- APM-SH300G/VS300N (30KW)
- APM-SJ370G/VS370N (37KW)

### Characteristic

- Higher Torque ( 235Nm of rated torque)
- Stable Performance
- External Cooling system
- Applied Injection Molding machine,  
Packing Machine, Steel Process Machine





## New Products - Portable MPG (Manual Pulse Generator)

### Model

SPM -	Specification -	IP Grade -	Output Type -	Magnet -	Cable length
	S01 : STD S02 : STD+EMG+Enable(2ea) S03 : STD+EMG S04 : STD+ Eable(2ea) M01 : STD+ Jog	A : IP 50 B : IP65	L: Line Driver	M : With Magnet O : Without Magnet	1 : 0.7m 2 : 1.0m

### Characteristic

- Reasonable Price
- Compact Design (Applied 60mm MPG)
- Wide products Line - UP
- Various Optional Function  
(Enable S/W, Jog, Emergence S/W)



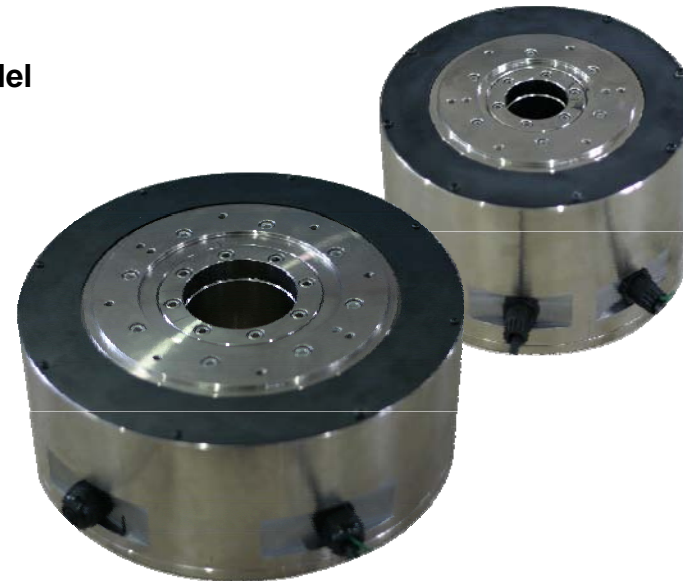


## New Products - Direct Drive Motor (Torque Motor)

**Model** 100W ~ 1.5KW  
7.27Nm ~ 80.6Nm  
Dia. 135mm ~ Dia 360mm

### Characteristic

- Powerful Torque
- Precision Control
- Various Feedback Option
- Fast Delivery for customized model
- Competitive Price







# Quality Control





# Inspection Facilities

## 1. Flow & Facilities

- IQC – LQC – OQC
- IQC Room, Load Testing Room, Noise Testing Room, Reliability Testing Room

## 2. Equipments

- Load Tester
- Power Tester
- Cogging Tester
- Final Tester
- Noise Simulator
- 3 Dimension Measuring Instrument
- etc





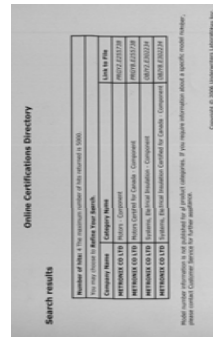
# Certificates

Quality Control

ISO-9001



UL



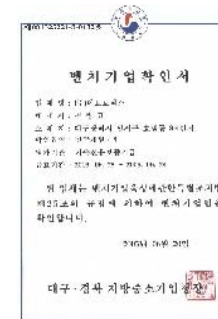
RoHS



RoHS



VENTURE



SERVO MOTOR

ENCODER

SERVO MOTOR

CE



CE



CE



Patent



SERVO MOTOR

SERVO DRIVE

ENCODER

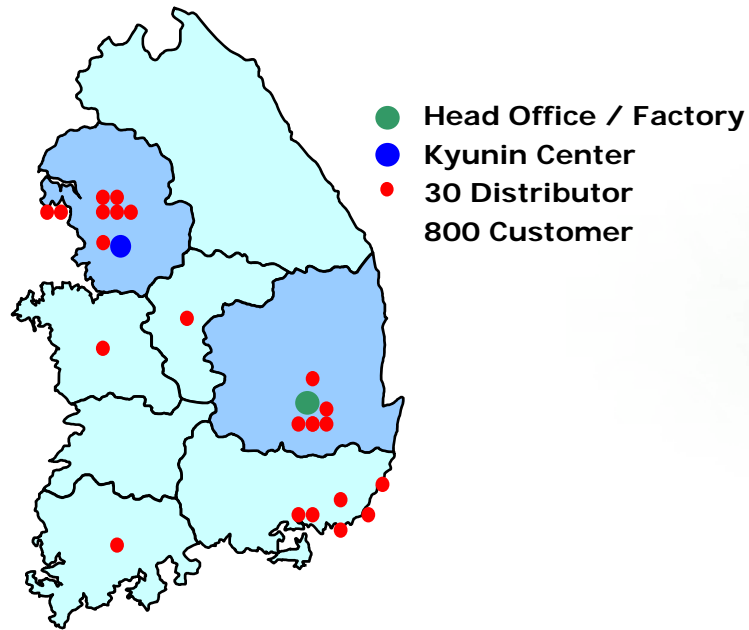
SERVO MOTOR

ENCODER

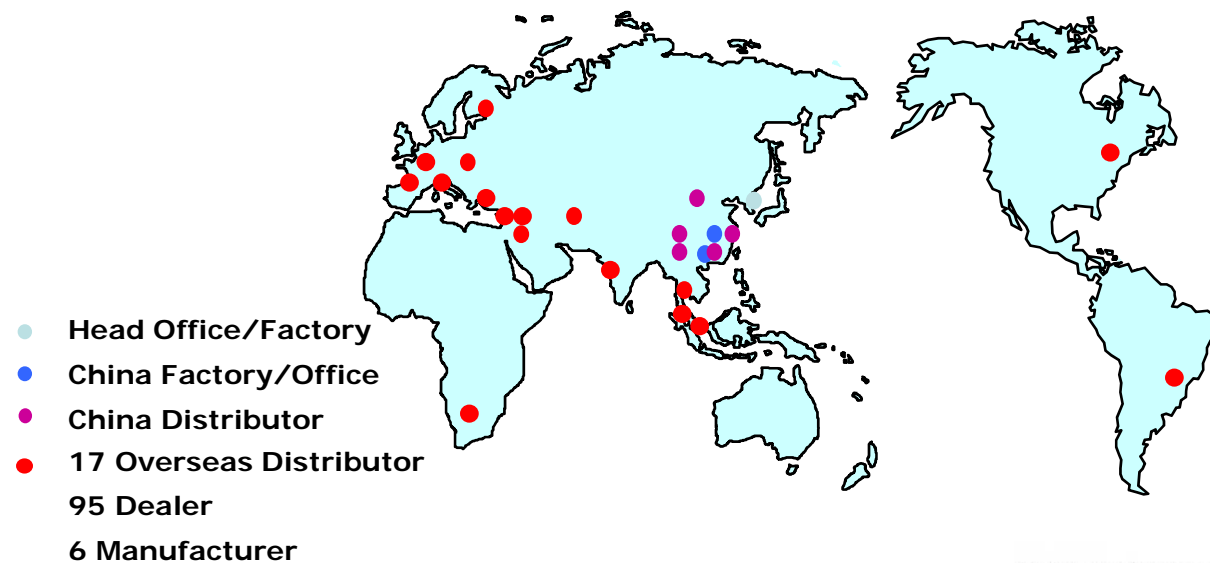


# Sales Network & A/S Center

Quality Control



Always with you  
**MECAPION**





# Success Story





## Our Customers







Thank You

