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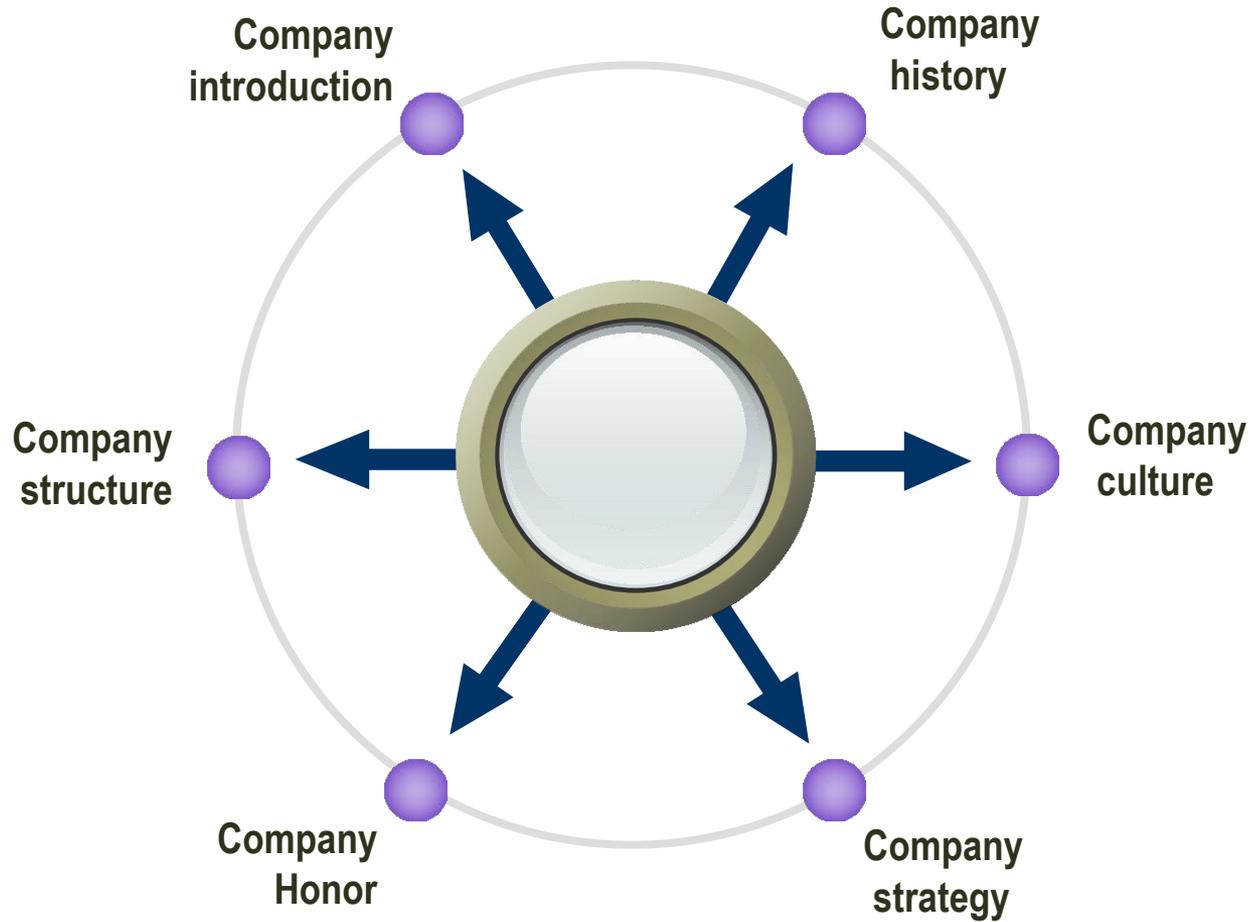
CG-Elec



Core Components Combined

Company Profile

2019



Company profile



- ◎ Founded in 1997
- ◎ A leading capacitor brand in China
- ◎ All series film capacitors
- ◎ 500 + employees
- ◎ 30000 m² Self-owned industrial park



Company history



1997

Founded in June 1997



1999

Rename to CG Electronics



2003

Remove to present plant
ISO 9001 certification approved

2007

ISO 14001 certification.

2010

New Hi-tech enterprise awarded

2011

Famous brand awarded

2013

2 brands Strategic plan



Brand Strategy



Стратегия бренда



CG-Elec

Domestic Market
Внутренний рынок

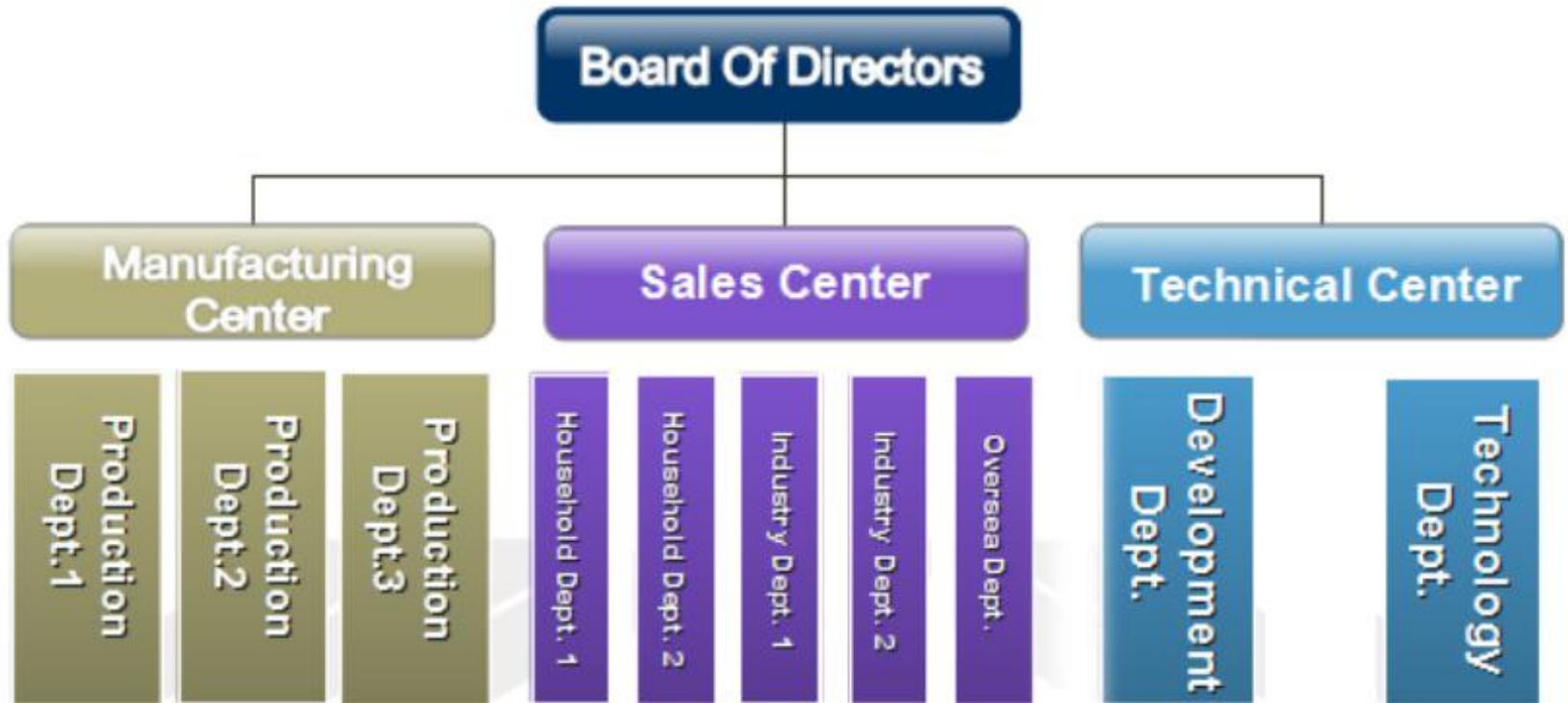


Foreign Market
Зарубежные рынки

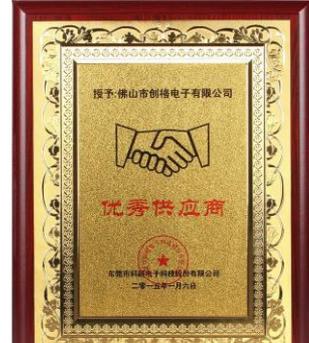
- Telecom
- Household appliances
- Industrial control
- Medical equipment
- New energy power generation
- Military
- Research
-

1000+ Fields / 1000+ отрасль
10000+ Clients / 10000+ клиент

Organization



Company honor



c 0017624

Product introduction



Household Appliance
Capacitors

Power Electronic &
Commercial Capacitors

Product's
introduction

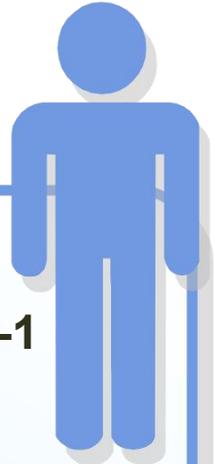
Consumption
Capacitors

New products

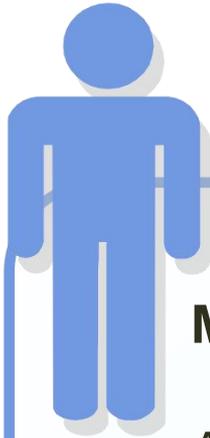
Household appliance capacitors



Made by production Line-1
MKP-X2 , MKPH series.

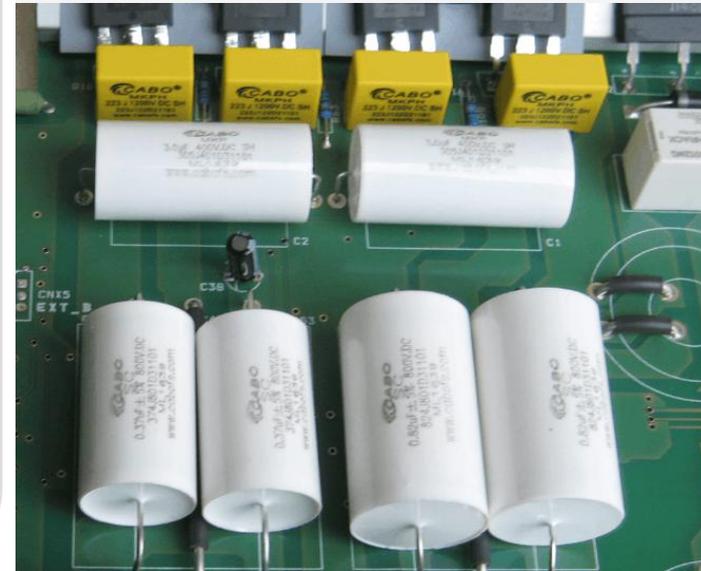
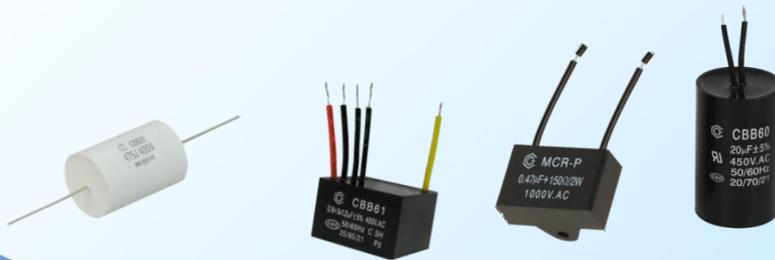


Consumption capacitors



Made by production Line-2

AC motors capacitors,
DC fixed capacitors,
Safety capacitors,
Frequency division capacitors,
Ignition filter capacitors



Industrial capacitors



Made by Poduction line-3

DC-Link capacitor

AC-Filter capacitor

IGBT snubber capacitor

High voltage capacitor

Filter capacitor

Pulse capacitor

Pulse /Power capacitors



Strategic brands and products

- High energy Pulse capacitors
- Fast discharge capacitors
- High specific energy pulse capacitors
- Pulse grade capacitors
- Energy storage capacitors
- Medical level Hi-Rel capacitors

For:
Medical /
Industrial/
Research/
Defence weapons/
...

New products



High power capacitor

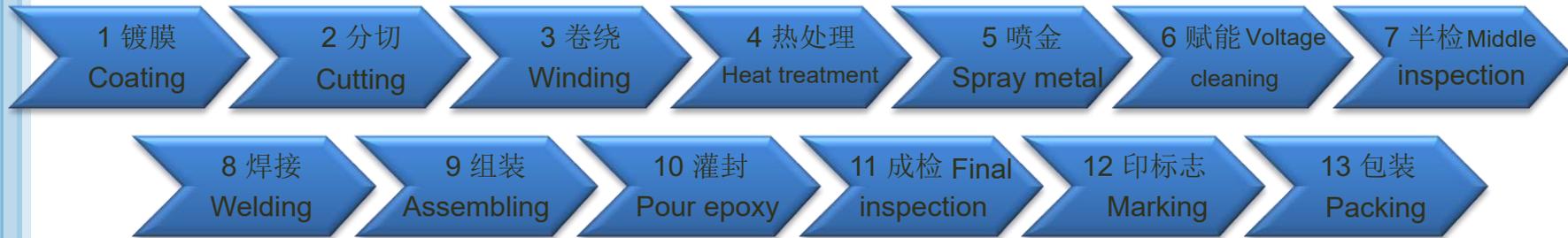


DC-Link capacitor

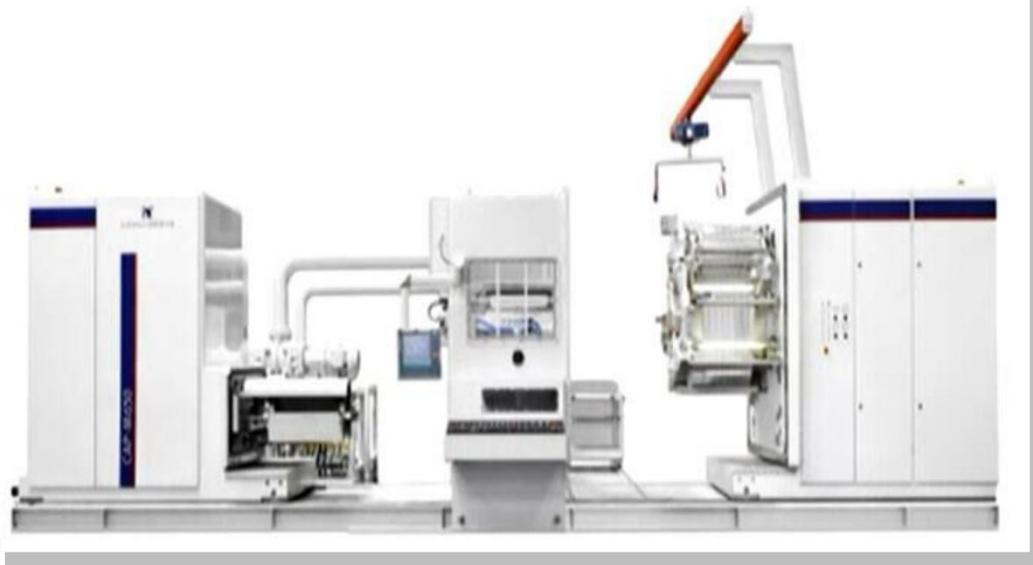


Electric vehicles capacitor

Production flow

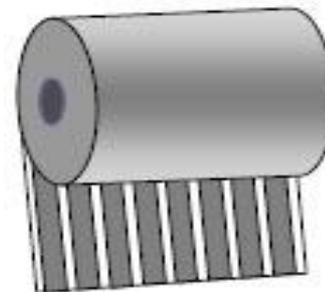


Coating



- 镀膜平带宽度
coating width
- 平均分密度（方阻）
square resistance
- 色差均衡，边区分配均匀
color balance

蒸镀完的基膜



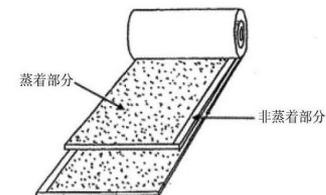
Cutting



- 无划伤
No scratch
- 分切膜宽
Slitting width
- 张力的大小
Tension strength



Winding



- 端面平整，无S形盆形
flat ending
- 表面光洁、无皱折
smooth surface without wrinkles
- 容量偏差正确
right capacitance tolerance



Heat treatment



- 芯子定型紧密
tighten element
- 翻边量不超过1/3端面
flanging of less than
1/3 end



Spray metal



- 喷金气压
spray gas pressure
- 喷金电压
spray voltage
- 喷金距离
spray distance
- 喷金厚度
spray thickness
- 送丝电压
feeding voltage



Voltage cleaning

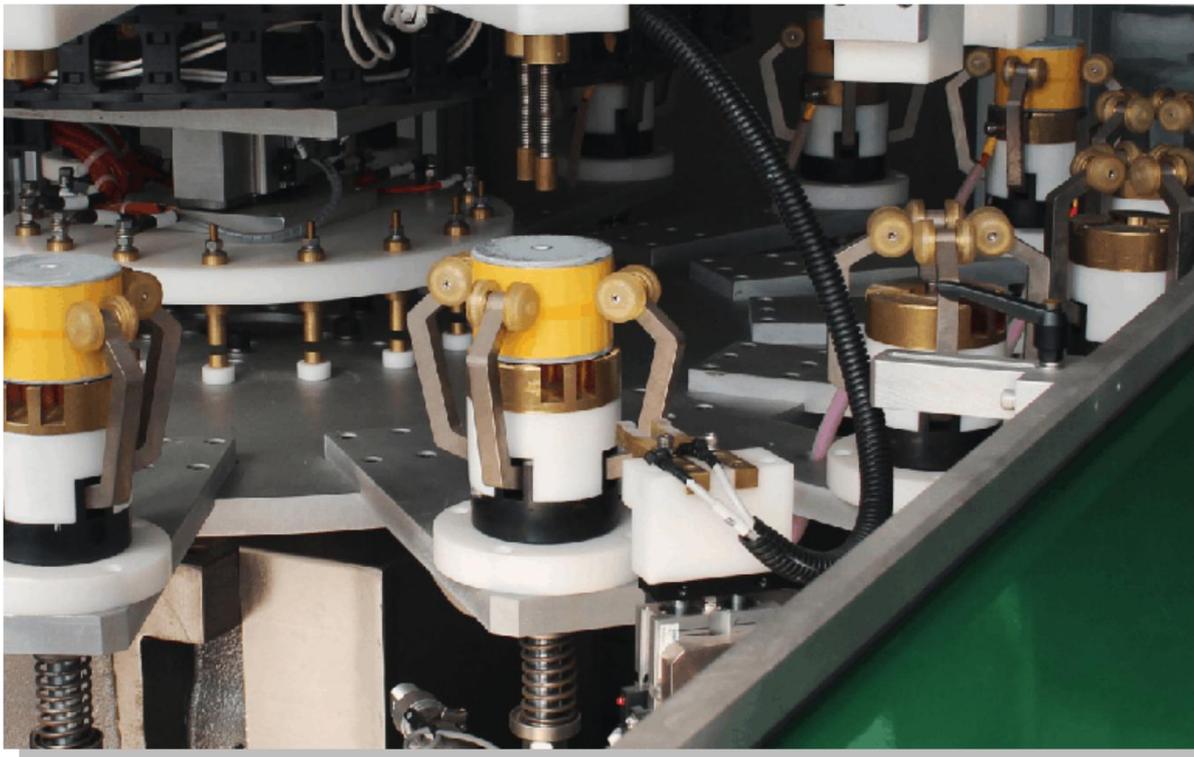


- 赋能电压正确
correct voltage

- 芯子100%赋能
100% of voltage cleaning



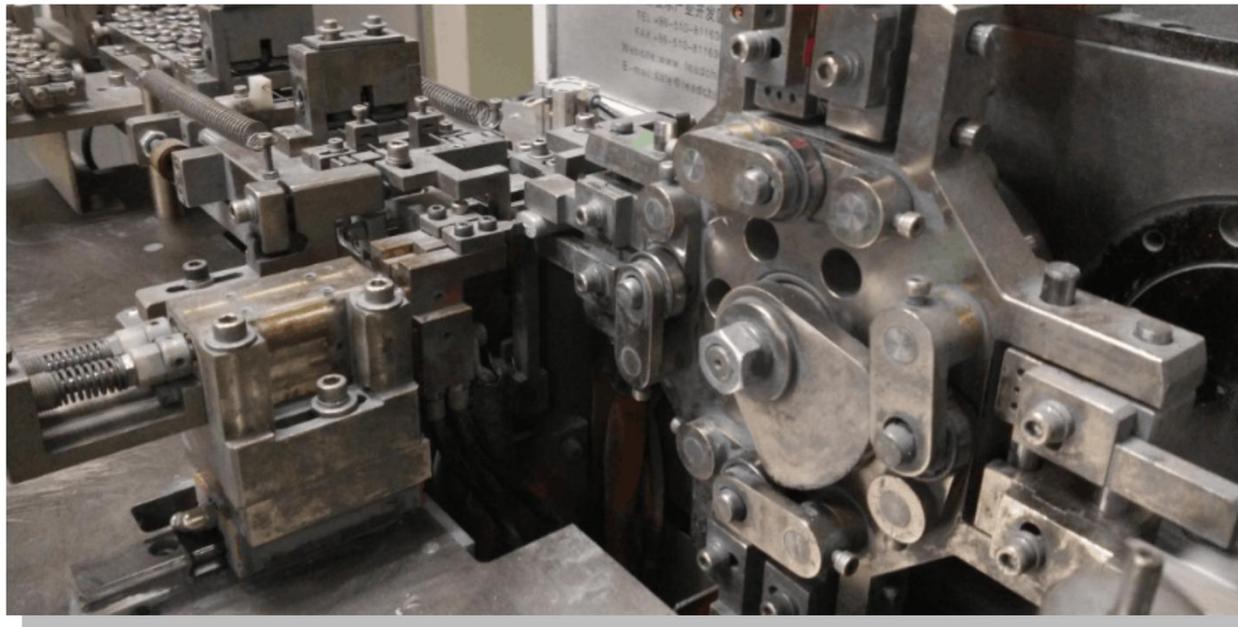
Middle inspection



- 容量测试
capacity test
- $\text{tg } \delta$ 测试
 $\text{tg } \delta$ test

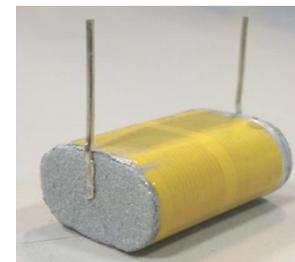


Welding

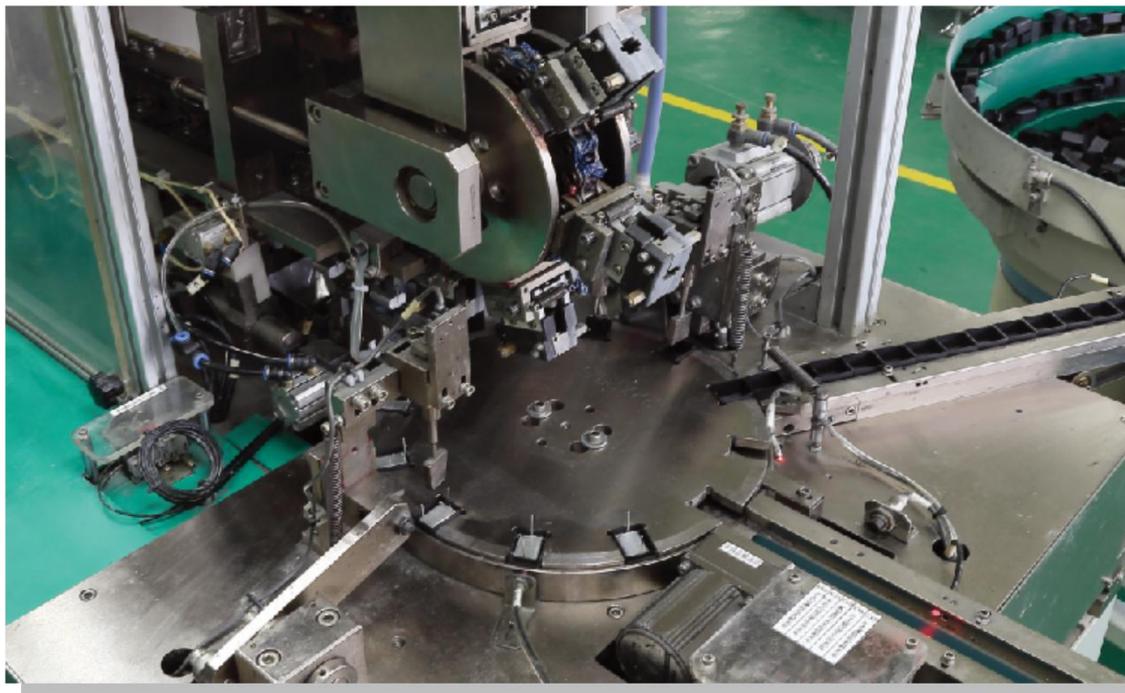


- 焊接牢固、无虚焊
welding firm
- 芯子表面无烫伤
no burn surface

- 焊点光亮
bright spot
- 焊接深度适当
welding depth



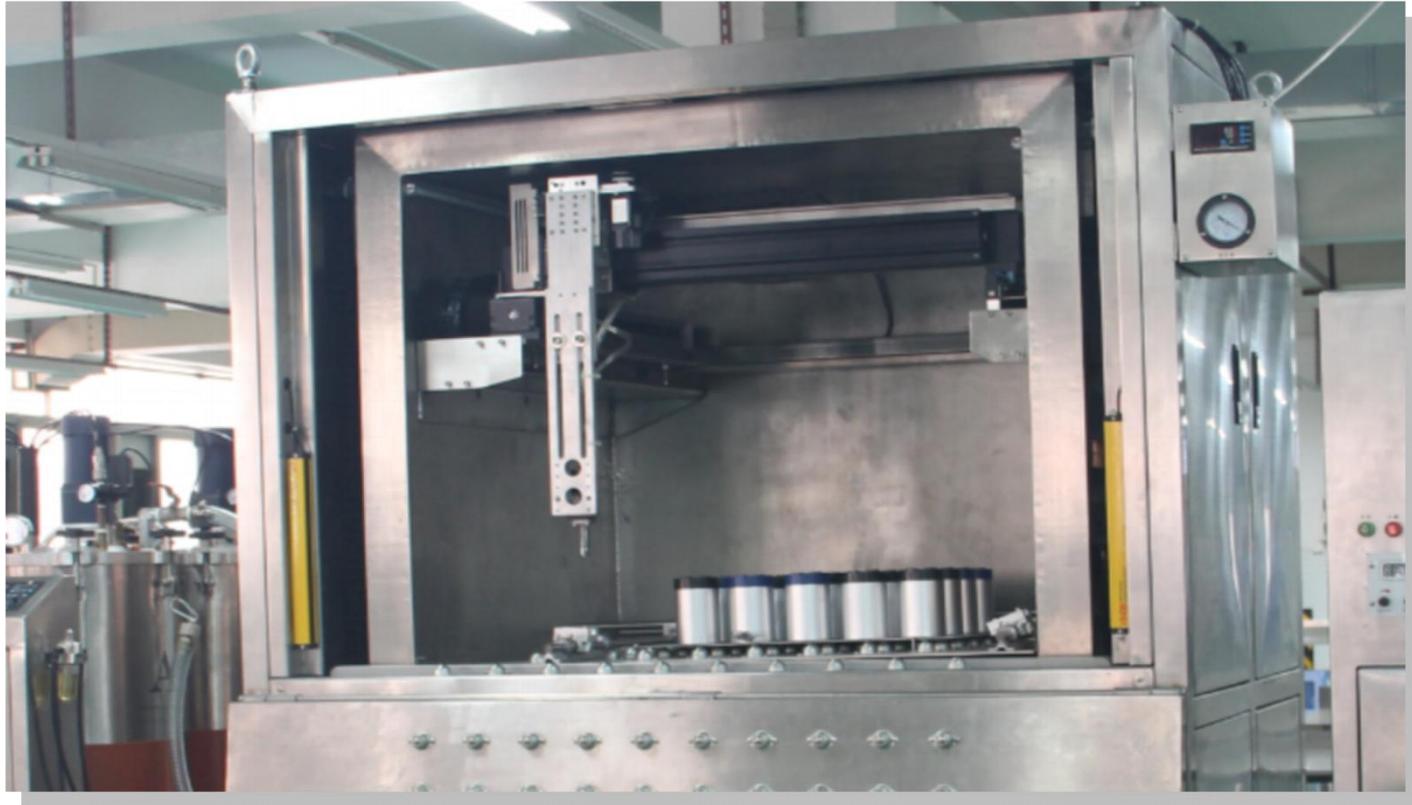
Assembling



- 外壳选用正确
right case
- 组装稳固
assembling solid



Pour epoxy resin



● 无明显污点、气泡
no blemish and bubble

● 环氧表面光亮、平整
bright and smooth

Final inspection

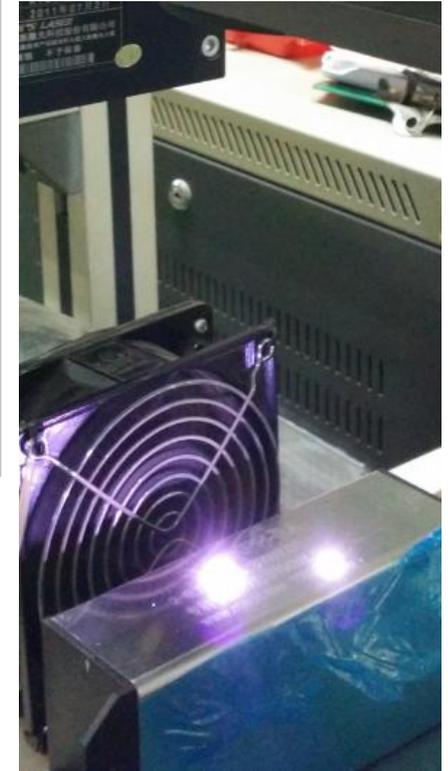
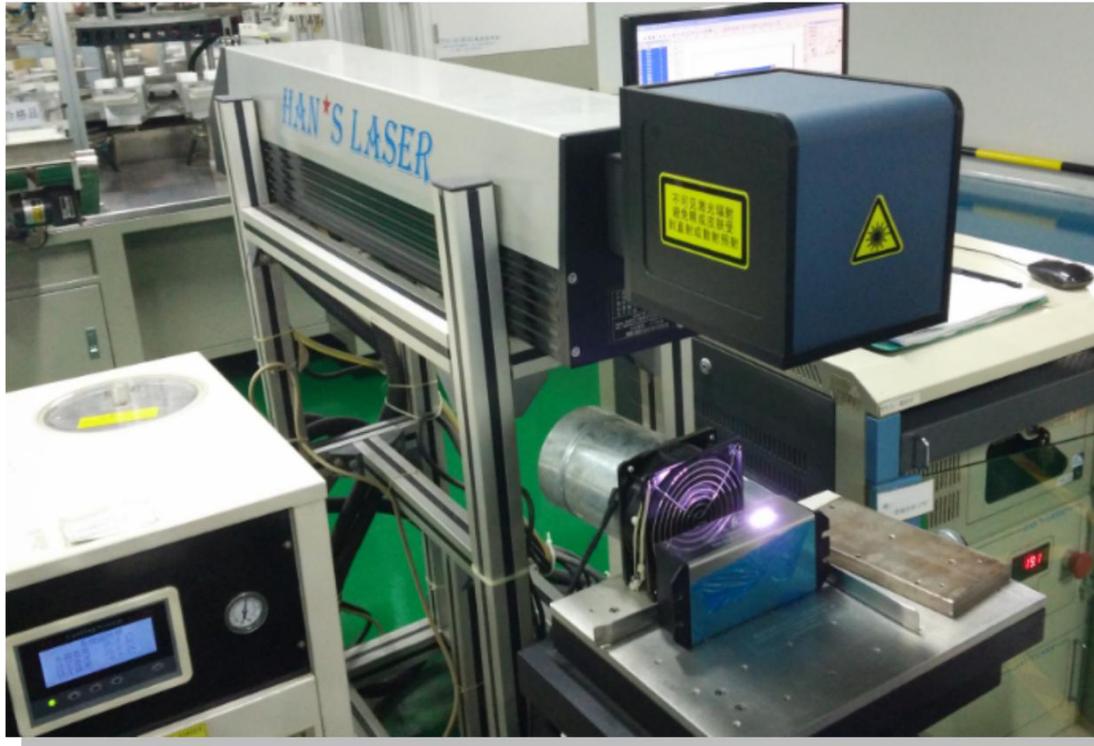


● 电压与 dv/dt
voltage and dv/dt

● 绝缘电阻值
insulation resistance

● 容量偏差、损耗角
tolerance and $\text{tg } \delta$

Marking



- 标志内容正确
marking correct
- 字迹清晰
marking clear

Packing



- 合格证张贴平整
QC pass
- 产品摆放整齐、安全
products placed safety
- 包装箱上栏目填写正确
crates filled out correctly



Sales Evolution

In 2018, we produce 250 million (μF) film capacitors, amounting to an output value of RMB 220 million (USD 34 million) .

In 2019, target produce 300 million (μF) film capacitors, amounting to an output value of RMB 250 million (USD 38.5 million) .



Our customer



伊莱克斯
Electrolux

Midea



Chilicon Power

BAOWU

HITACHI
Inspire the Next
日立



BrainsWay

AEG POWER SOLUTIONS



solar edge

agraTronix

invtr

MEDIANA



tae TECHNOLOGIES

Panasonic

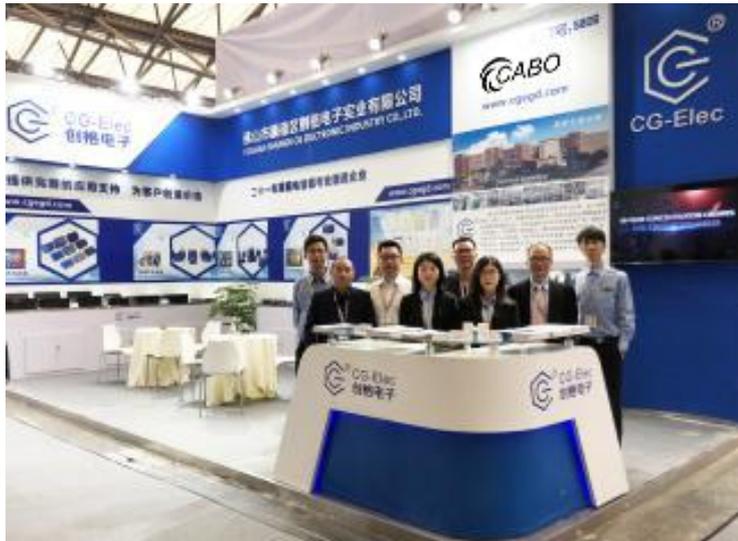
TOPBAND

富士電機

Inovance

TRIOL
EVERYTHING NEW EMERGES NOW

Exhibition



International marketing

40% of our capacitors are for export.

- ▶ Europe for 25%
- ▶ The United States for 10%
- ▶ Southeast Asia for 5% .



Sales Network Worldwide



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Thank You!