

# KangerTech<sup>®</sup> Shenzhen Kanger

Shenzhen Kanger Technology Co.,Ltd



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# About Kanger



#### **INTRODUCTION**

Founded in 2007, as one of the earliest pioneers in E-cigarette industry, Shenzhen Kanger Technology Co.,Ltd has formed a complete quality management system and strong R&D capabilities, boasting a record of over 400 patents granted from China and abroad.



#### Office and Team



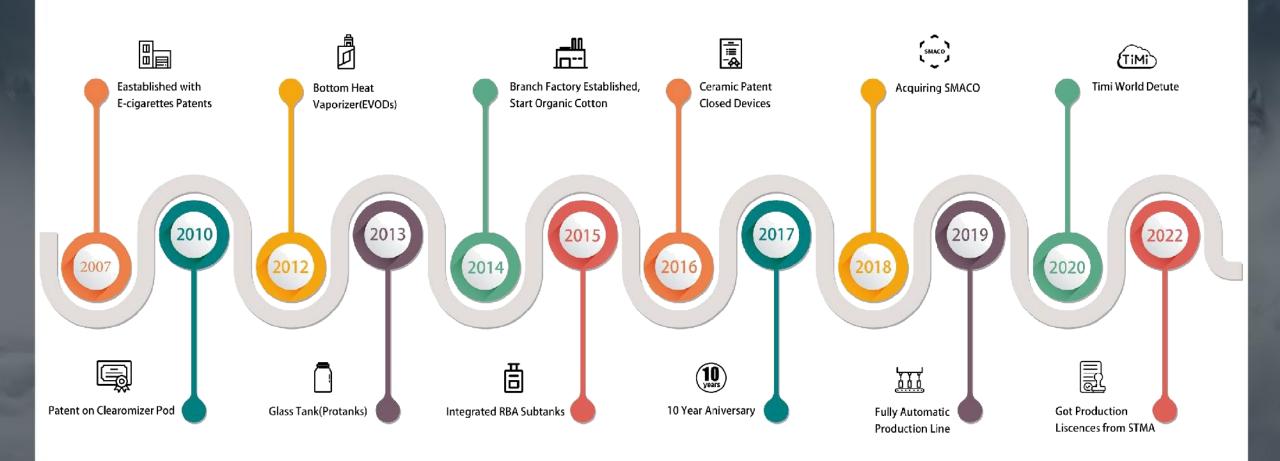


# Office and Team



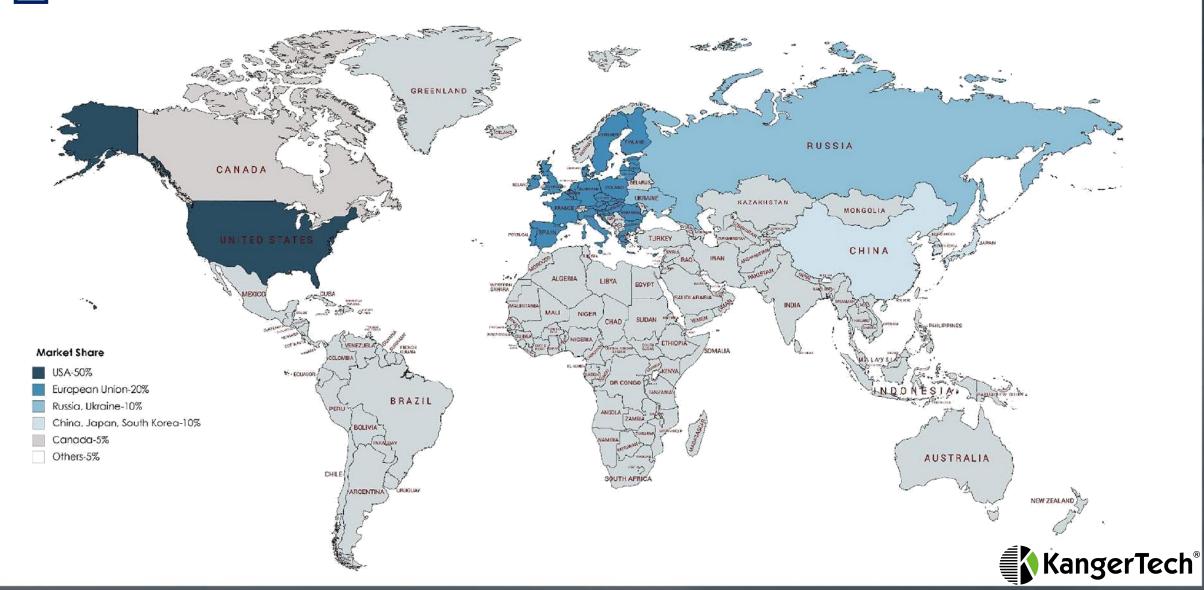


#### Company Milestones





#### Global Layout



#### Customers







































**DISTRIBUTORS** 









We have extensive and in-depth cooperations with many international customers, such as Altria, US TPB, EAS, Katana and so on.



#### Industry Certification



#### Industry Certification

**Production Licenses** 



Certificate of High-tech Enterprise



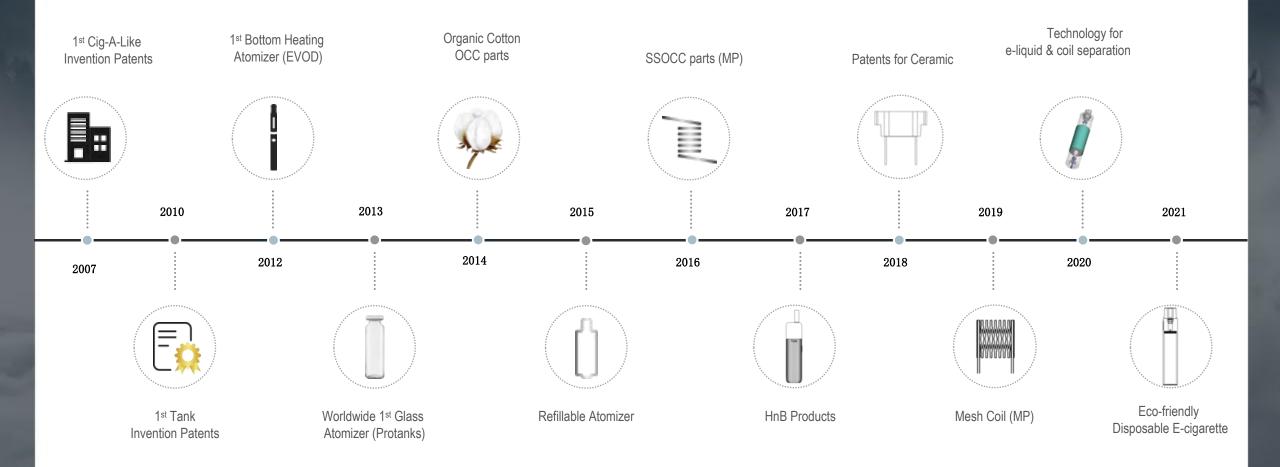


#### Research & Development

Kanger's R&D team is made up of 40 engineers, who not only have competitive research ability but also have strong passion to develop E-cigarettes welcomed by vapers.



#### Technology Development





# Patents

With strong product development capability, we can transform conceptual model into commodities in a very efficient way, it takes about 3 weeks from concept into mass production at earliest.





#### **Granted:**

100+ Invention Patents

200+ Utility Patents

100+ Design Patents

#### **Pending**

(USA, JP, EU & CA)





#### Manufacturing Locations



#### **Shenzhen Headquarter**

- ✓ One of the largest E-cigarette manufacturers with 16 years experience
- ✓ 1500 employees and 40 R&D engineers

#### **Dongguan Factory**

- ✓ ISO 9001, GMP certified and CE, TPD approval.
- √The monthly output reaches 15 million cartridges/batteries and 1 million disposable vapes.



#### Production Environment







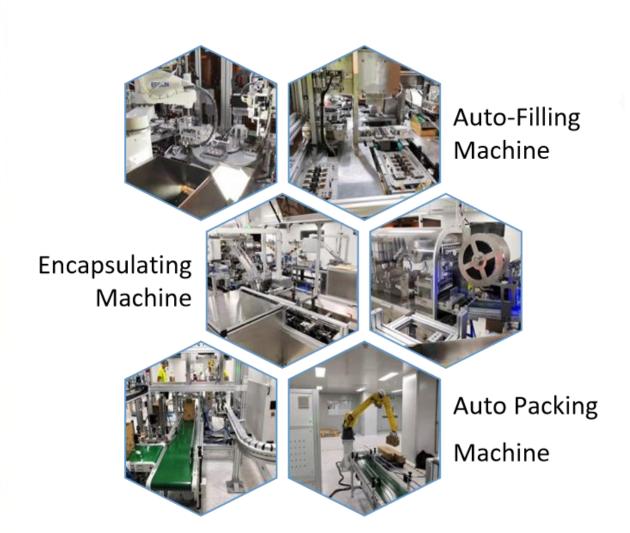
Ozone Generator



Temp. & Humidity Detect Sensor



#### Adanced Equipment

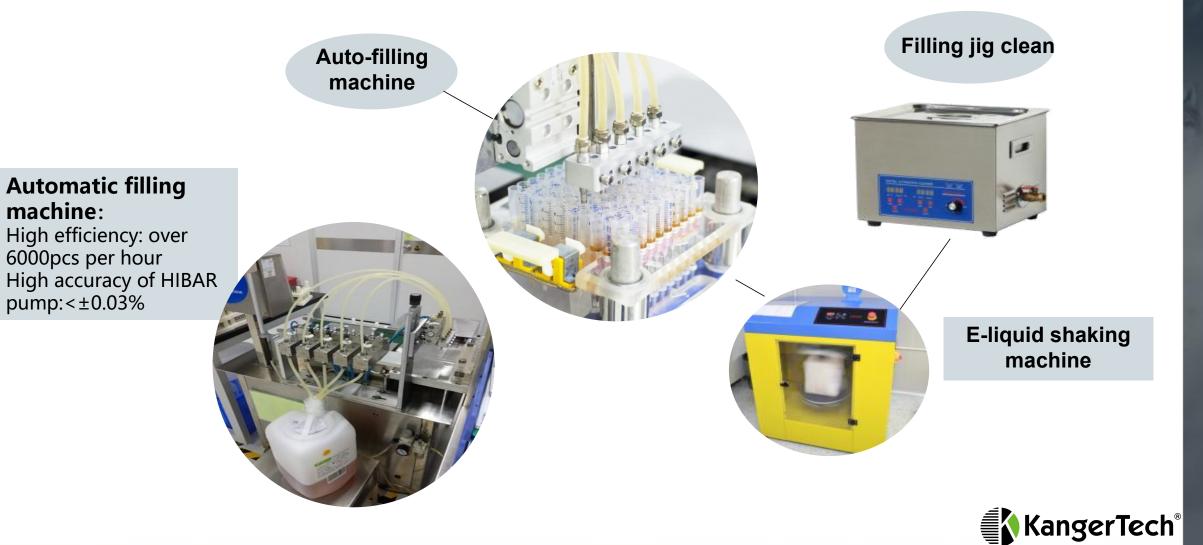




Automatic Checking Machine

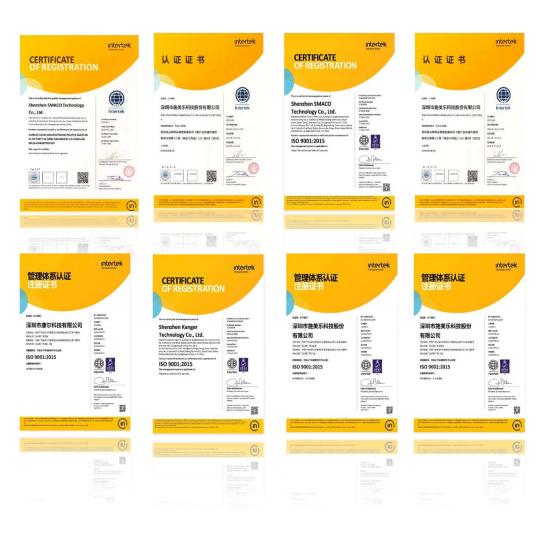


#### Adanced Equipment





#### Quality Standard



Both manufacturing bases in Shenzhen and Dongguan have passed the GMP international management certification, complying with international quality standards such as ISO13485, ISO9001 and ISO14001. Products have gained ROHS and CE certifications as well as TPD approval.





#### Reliability Test Equipment













All kinds of advanced testing machines: salt spray test, vacuum test (simulating high-altitude and low-pressure transportation), high low temperature test, vibration test, and drop test.



#### Quality Control Management

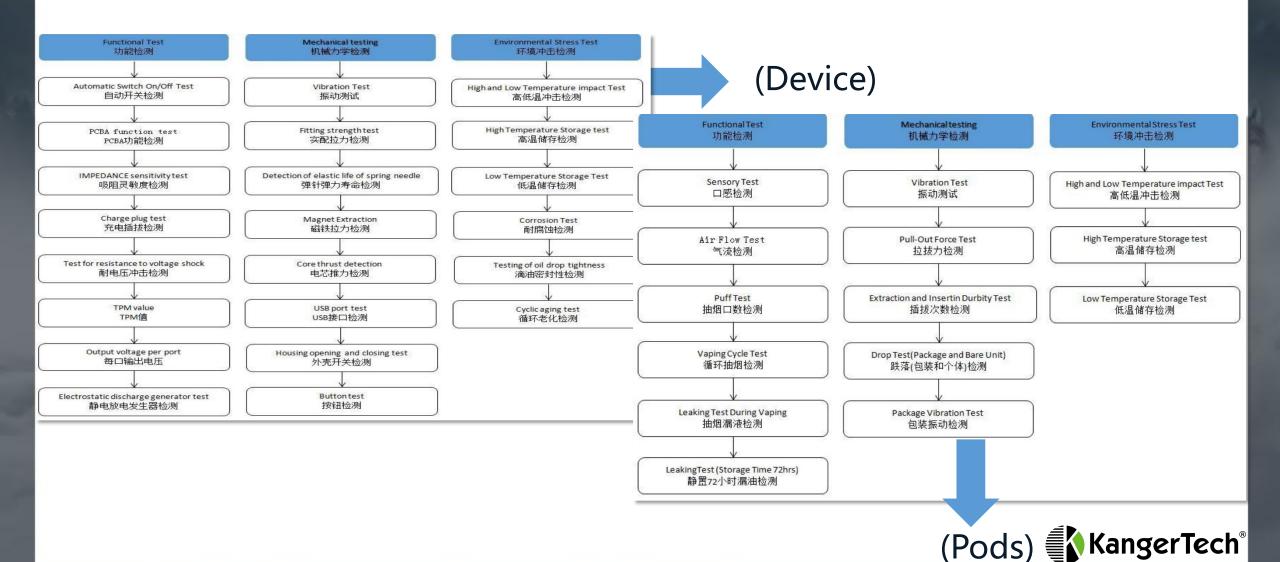
#### **Quality Stable and Controllable**

**Process-Verification Project-definition Design-Verification End-of-life** Design MP **NPI Gate** DP1 DP2 DP4 DP3 MP **EOL** CSR, HSF, Quality& CPK, SPC, NCL, QCC, 8D, PCN, ECN, FAI. PPK. FPY& DFMEA, PFMEA, QCP, MSA, reliability goal reliability goal Passed QFD, DFM IOPQ, DOE **Lesson learnt** 1.Transfer design 1.Full dimension 1.Buy off special characteristic by 1. Transfer product requirement 1.Set up quality & measurement for first into product and process CPK and monitoring by SPC. requirement into material reliability goal. article. 2. Manage engineering and process and process requirement by characteristic requirement by QCP. 2. Input customer special QFD. 2. Critical parameter PPK 2. Indentify process risk by PFMEA change by ECN and PCN. 2. Indentify design risk by buy off 3. Optimize manufacturing 3. Improve nonconformity and requirement 3. Reach quality & promote quality by 8D and QCC 3. Meet environmental DFMEA parameter by DOE 4. Buy off measuring equipment by &regulation 3. Optimize reliability goal. manufacturability by DFM MSA. Buy off special process by 4. Manage process nonconformity by requirement 4. Achieve customer and design requirement IOPQ. NCL procedure. QMS, TQM, PDCA, 5S

Panorama of Quality Management

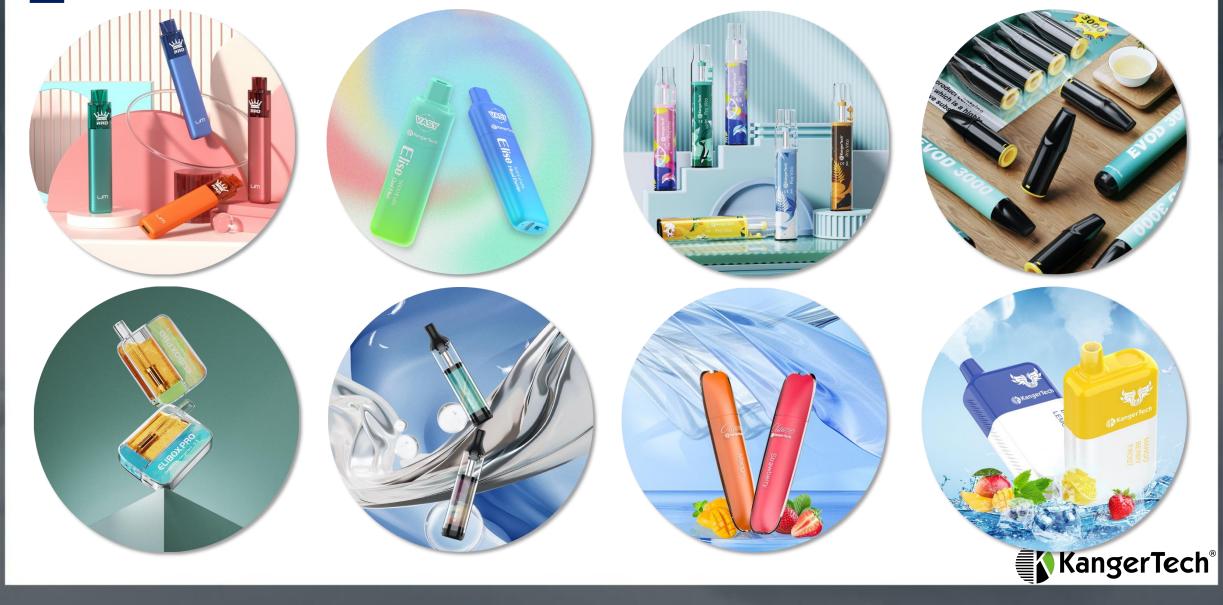


#### Supplier Quality Management Pattern

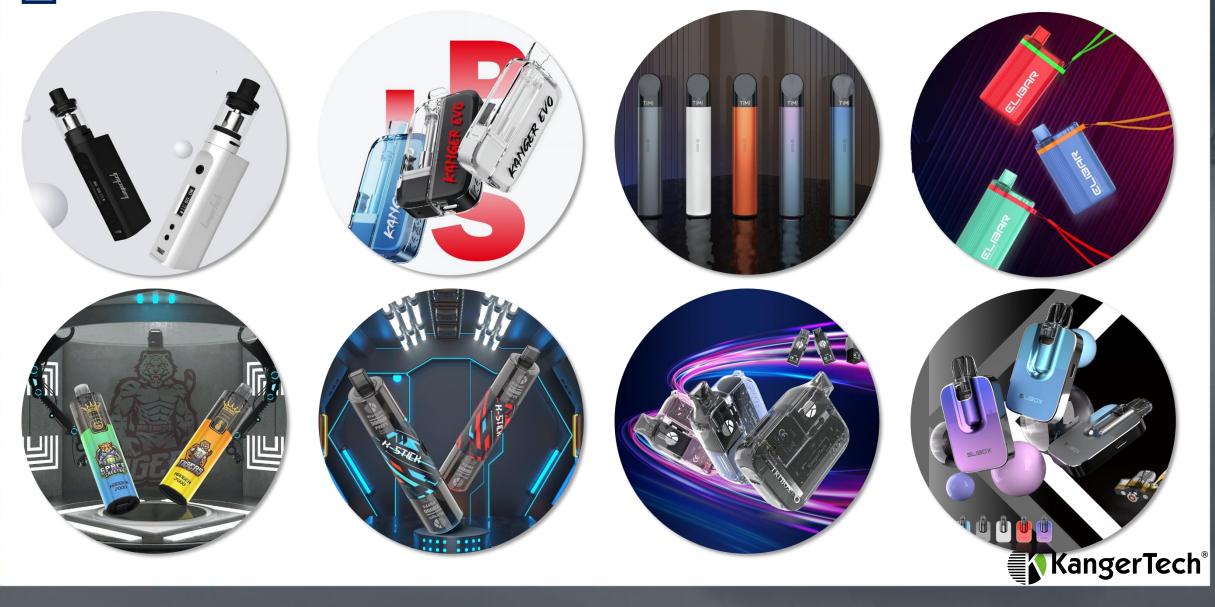




# Product Display



# Product Display





# THANK YOU

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