



IISC Factory Capabilities

Cannabis Device Fabrication

Why Clients Choose Us ?

- Good Lead Time Management
- Craftsmanship & Quality
- Reasonable and Competitive Price Point

IISC Cannabis Hardware Factory is located at Shenzhen, China.

- There are currently 4 assembly lines and 70 workers in our production line.
- Our current production capacity for a single day is around 20K for one assembly line. Full capacity is around 80K; however, expansion of production line is available depends on the situation.
- The product lead time is around 1.5 to 2 months for brand new OEM or ODM project. For which it also depends on the complexity of the product.

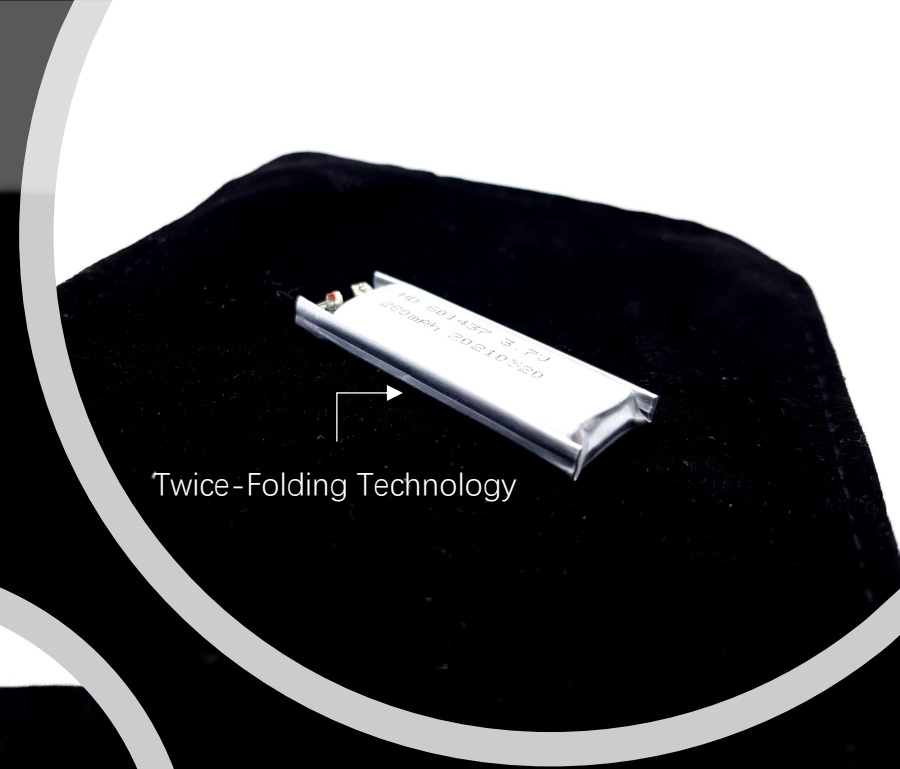


Core Material Selection

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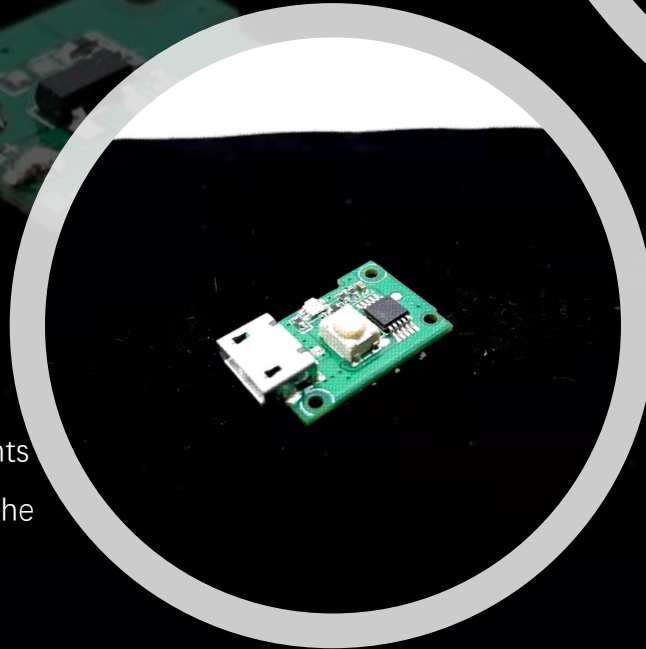
Battery Supplier

- Use only grade A battery.
- Use twice-folding technology battery sides to enhance insulation. The risk is coming from metal layer in the battery packaging material, which one-fold might lead to metal part exposed to air, that could possibly lead to battery damage.
- Guarantee faster lead time in comparison with another factory.



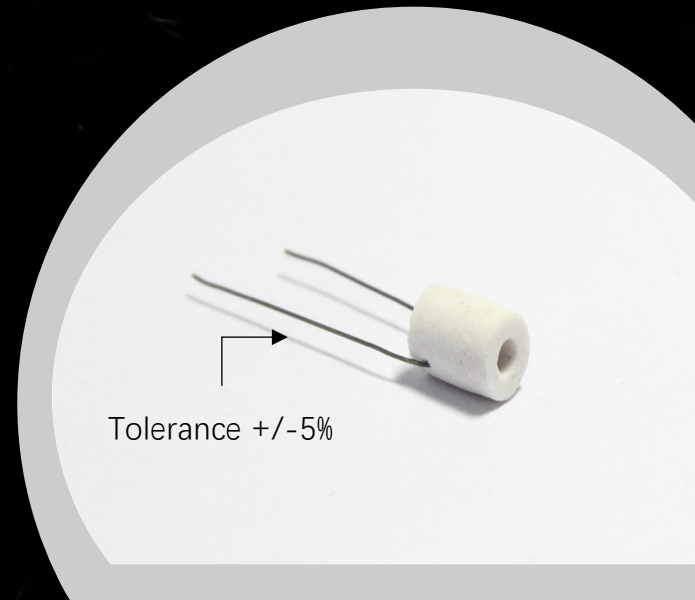
PCB Supplier

- Choose prestigious PCB maker as our major PCB supply to ensure quality.
- Long term relationship to prevent material shortage .



Ceramic Coil Supplier

- For years of ceramic technology experience, we will mix 10 different elements with 3 major elements : zirconium oxide, quartz and glass power to reach the best result for different CBD or THC liquids.
- Good control technology of ceramic porosity
- Quality wire includes Iron Chrome for more explosive experience or Ni Chrome for slow start experience.



Core Materials Selection



Cartridge (Plastic) Supplier

- Use PCTG EastmanTX1501 material for cartridge and drip tip for safety purpose.
- PCTG material works well with CBD/THC liquid, some materials might cause cartridge crack due to the chemistry reaction.



Central Tube Supplier

- Lead Free Copper or Stainless Steel 304 to prevent damage to human.



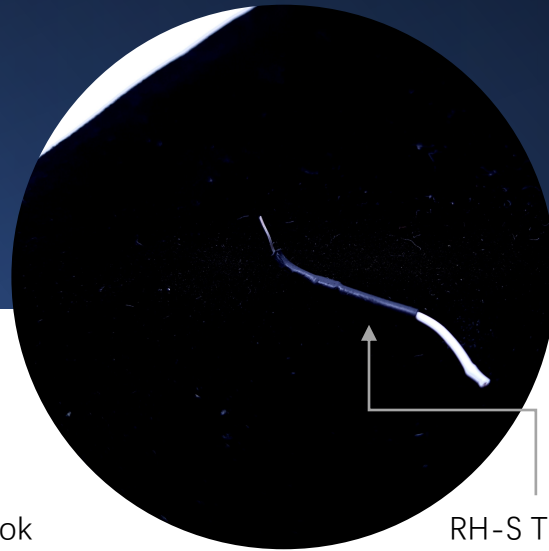
Cotton Supplier

- Use new cross-shape cotton technology to shorten manufacturing process.
- Vast selections of different cotton material for flavor restoration level adjustment.

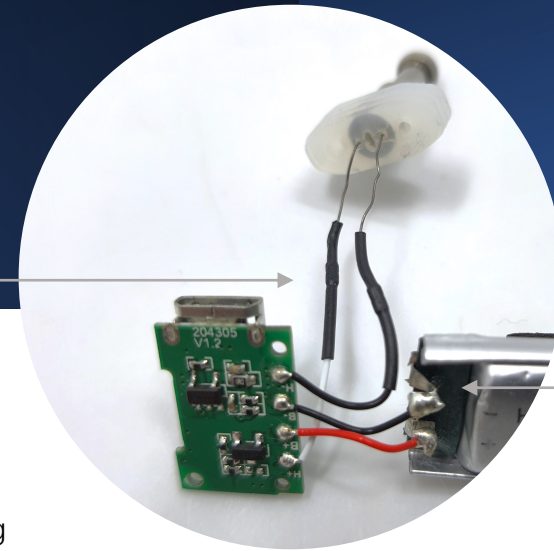
Wire Connection Method



Luminous Look



RH-S Tubing



Heat Tape

Solder Wire Supplier

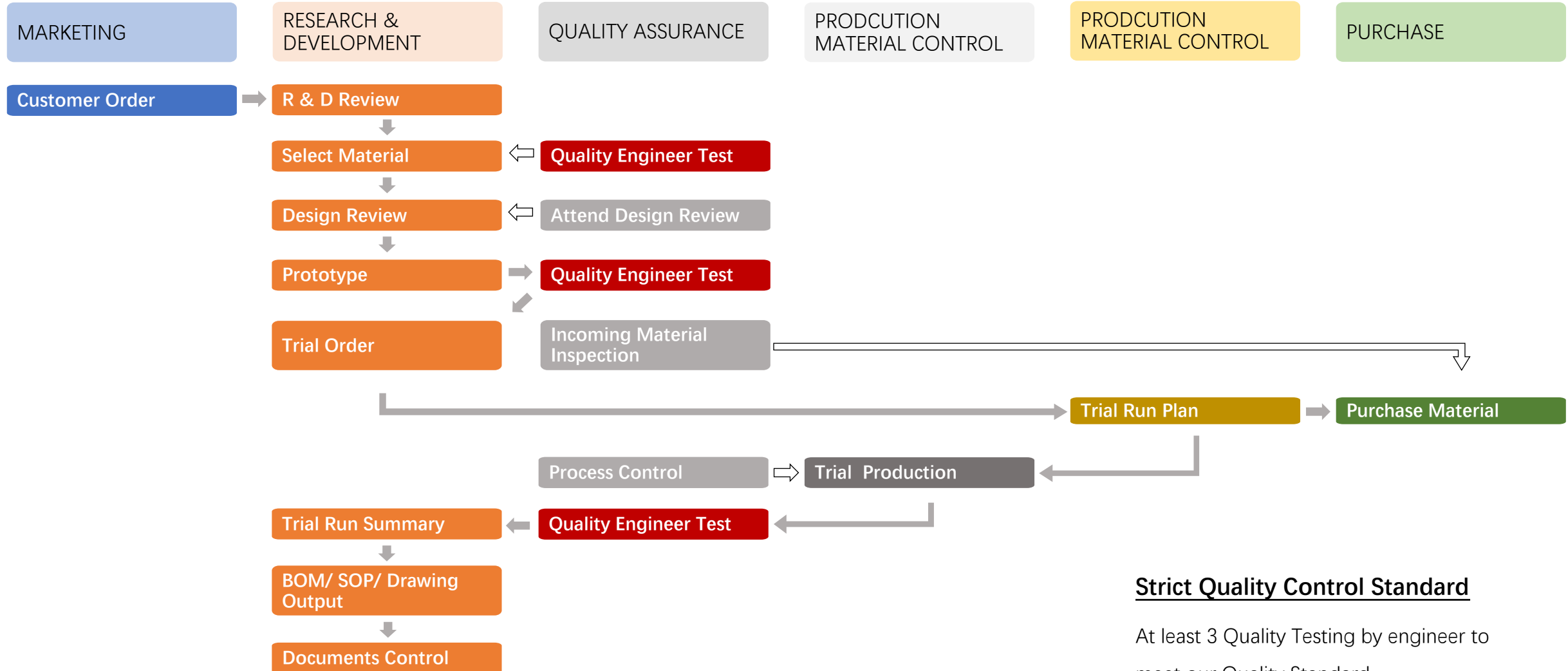
- Use high quality soldering material, good quality solder ball will have luminous look.
- Good quality solder wire features good corrosive protection.

Extra Protection

- For 2 separate wire connection, a Rubber Heat-Shrinking Tubing will be applied just to prevent any possible wire brokage.
- Extra Heat Tape will be placed on battery wire to prevent wire brokage.

Quality Control Managements

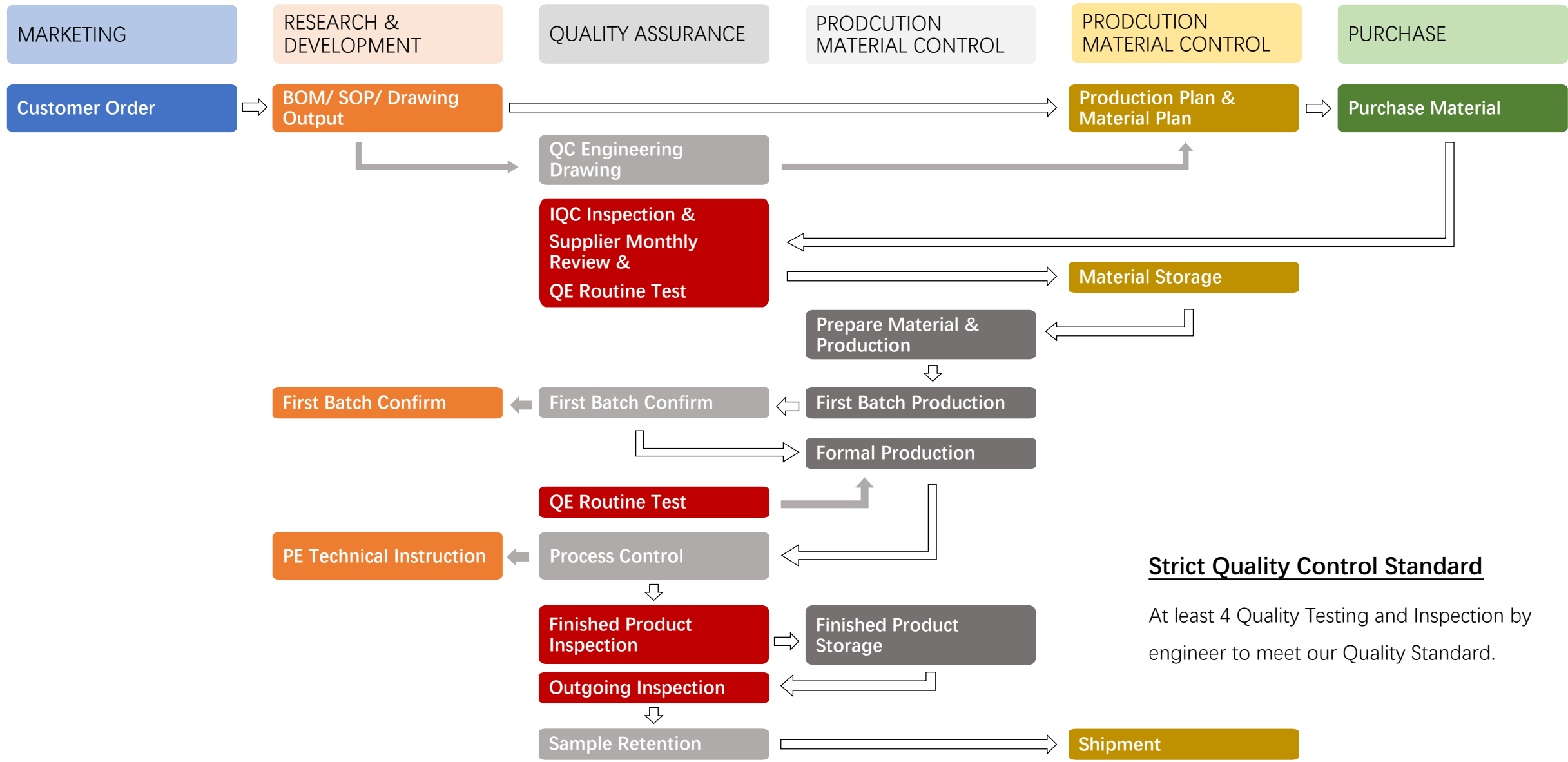
Phase One : Quality Control Management at R&D Phase



Strict Quality Control Standard

At least 3 Quality Testing by engineer to meet our Quality Standard.

Phase Two : Quality Control Management at Mass Production Phase



Strict Quality Control Standard

At least 4 Quality Testing and Inspection by engineer to meet our Quality Standard.

Production Line Quality Control Setup : Disposable Device

1. INSPECTION 1

Workers will be inspecting:

- Battery Resistance
- PCB Functionality



2. ASSEMBLY CARTRIDGE

Parts to be assembly:

- Cross-Shape Cotton & Ceramic Coil into Central Tube
- Central Tube to Silicon Stopper to Cartridge



3. ASSEMBLY BODY PART

Parts to be assembly:

- Soldering to connect PCB board and battery



4. ASSEMBLY 2 & 3

- Place Heat-Shrinking Tubing
- Connect Cartridge and Body Part (2&3) from Heat-Shrinking process



5. INSPECTION 2

- Inspect Resistance after connect Cartridge and Body Part (2&3)

7. INSPECTION 3

Workers will be inspecting:

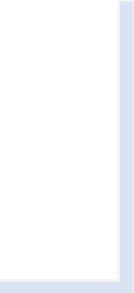
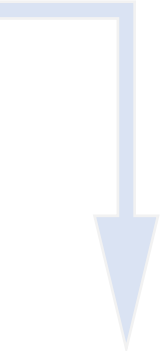
- Battery Charging
- Device Functionality

6. ASSEMBLY BODY SHELL

- Screw PCB and press lock the Cartridge to one side of Body Shell
- Place Heat Tape on the batter edge to prevent wire brokage
- Press lock two pieces of Body Shells into one

Strict Quality Control Standard

6-7 workers will be managed to do product parts inspections in 3 areas of production line.



Research & Development Lab

Material Check Point

Material testing will be applied every time the new incoming materials are arrived. Our professional testing lab is well equipped for Research and Development purpose. In the way we make sure we have a good assessments to our material supplier chain.



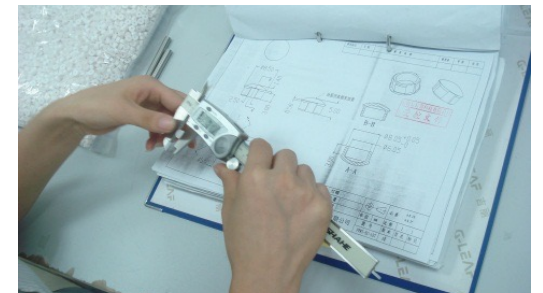
Battery Capacity Test



USB Plug in & out Tester



Smoking Simulator



Dimension Measurement

Simulation Makes It Better

The testing lab is to simulate all the possible scenarios for user experience. For which the most important factors like battery life, liquid leaking during different pressure, temperature and the flow rate between ceramics and viscosity of the liquid will be simulated in the Lab.



Make Robust Product

In order to create one robust device for our clients, this Lab provides testing machines to achieve that goal. All the data from R&D will be collected and be used for our future to make one astonishing product.

Product Drop Test



Button Lifespan Test



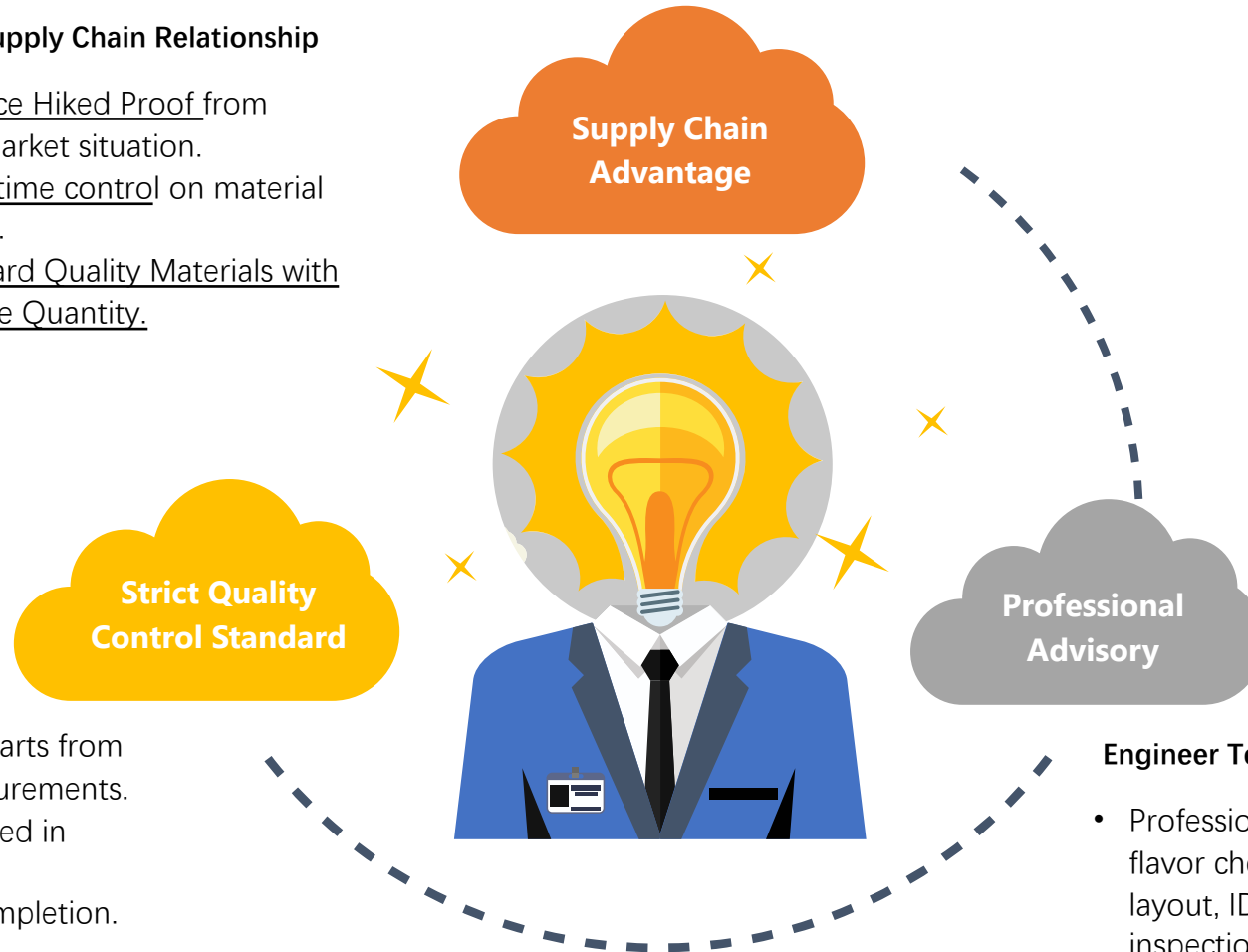
How Are We different from Other Factory?

Spectacular Supply Chain Relationship

- Material Price Hiked Proof from uncertain market situation.
- Better lead time control on material preparation.
- High Standard Quality Materials with Conservative Quantity.

Extra Quality Control Setup

- Quality inspection process starts from Material selections and procurements.
- Extra inspection spots is placed in product line.
- Extra inspection on mold completion.



Engineer Team of 8 years Experience

- Professional Team of CBD and THC flavor check on device, airflow structure layout, ID designers, and material inspection.

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