



AIHUA GROUP(HQ)

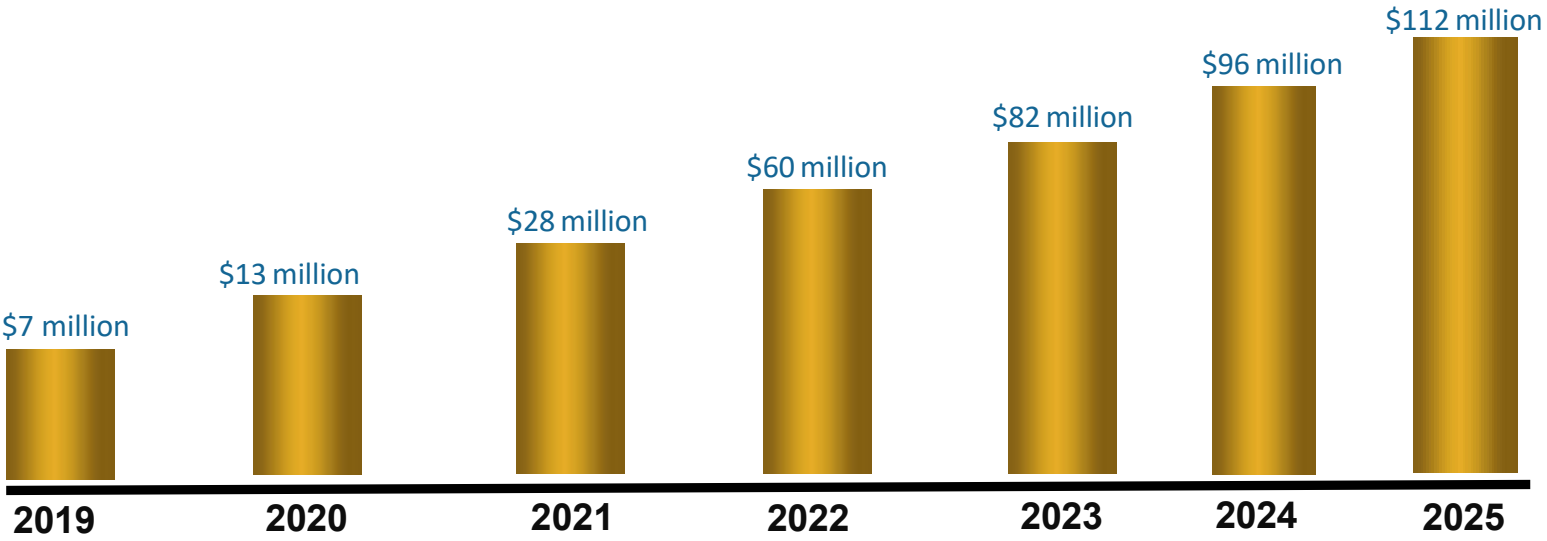




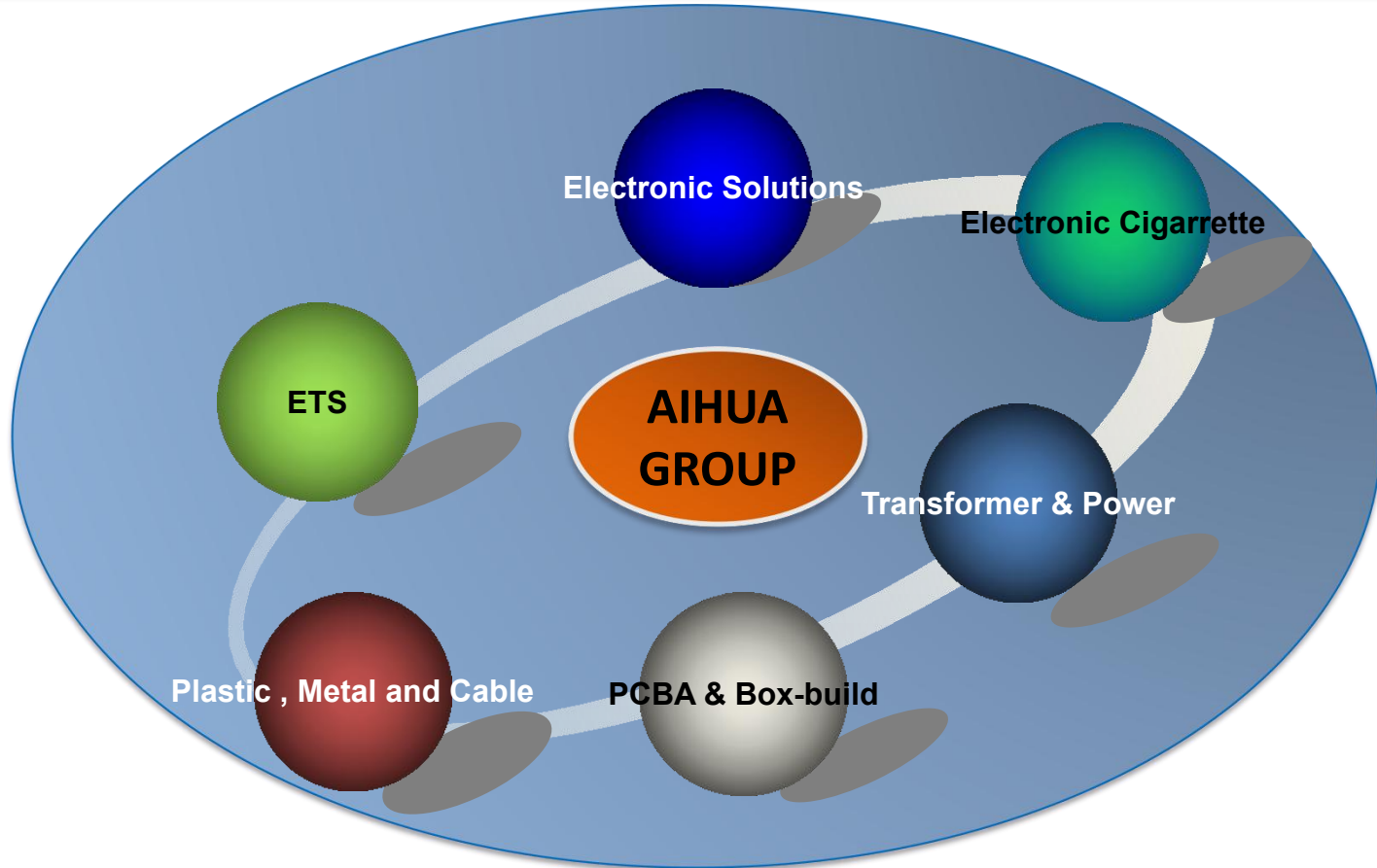
- **Established** : 2012
- **Building Areas**: 3 facilities of 100% owned; 2 facilities as Allias, Total: 60K sqm.
- **Employees**: 800
- **Main Industries Involved**: Plastics, Metal Stamping, connectors & cable, PCBA, Box-build and ETS(Electronic Toilet Seat)
- **Strength**: Own design with hardware and software, Inhouse build,Quality First, Cost Competitive
- **One Stop Service** from Critical components till final product.

Group Main Business

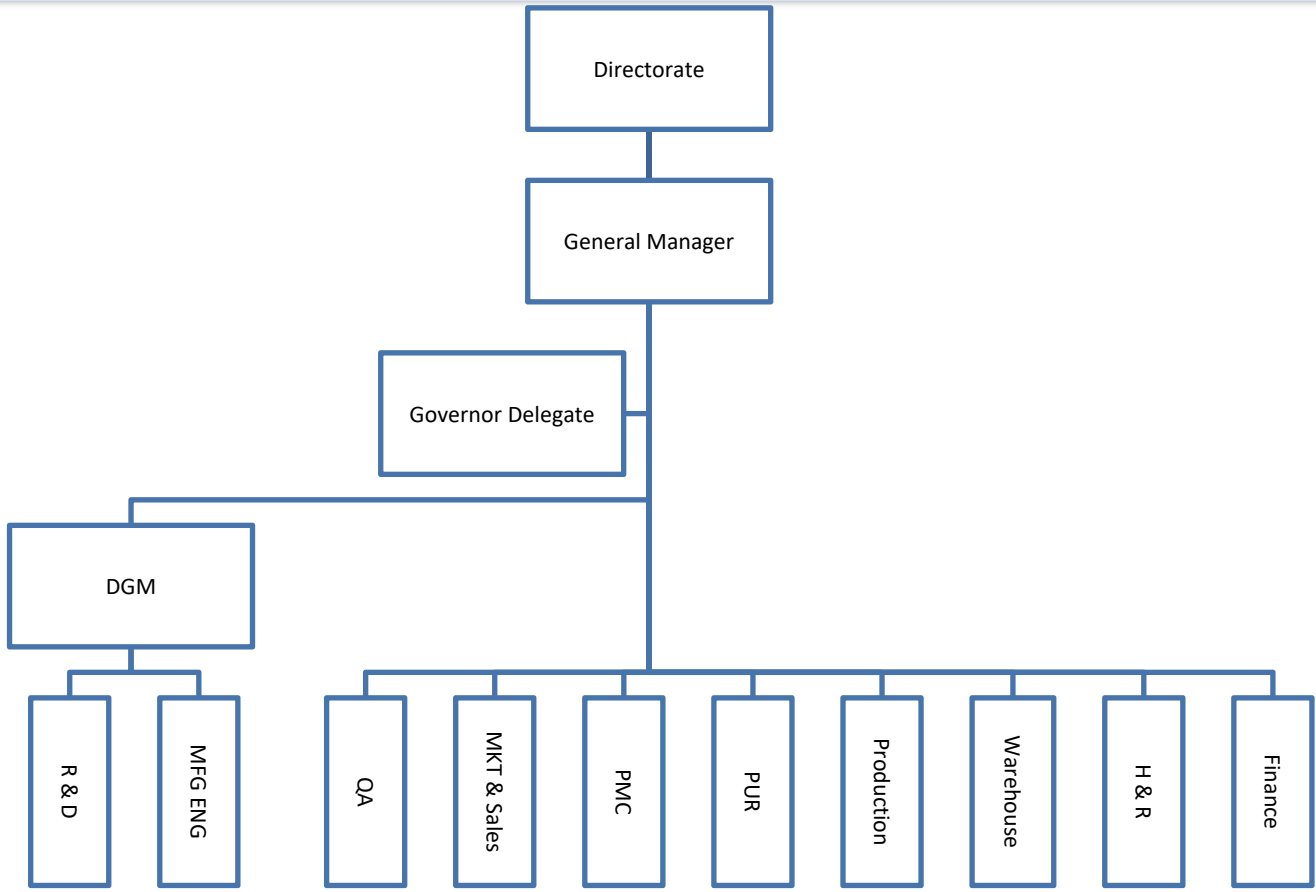
- **Critical Components and ODM for ETS (Electronic Toilet Seat)**
- **Transformer, Inductors , Coil and Power**
- **Plastics, Metal Stamping and Deep-Draw**
- **PCBA and Box Build till final Assembly**
- **Industrial Design on Sanitary**
- **Electronic- Cigarette Design and Finished goods**
- **Others on hardware and Software service**



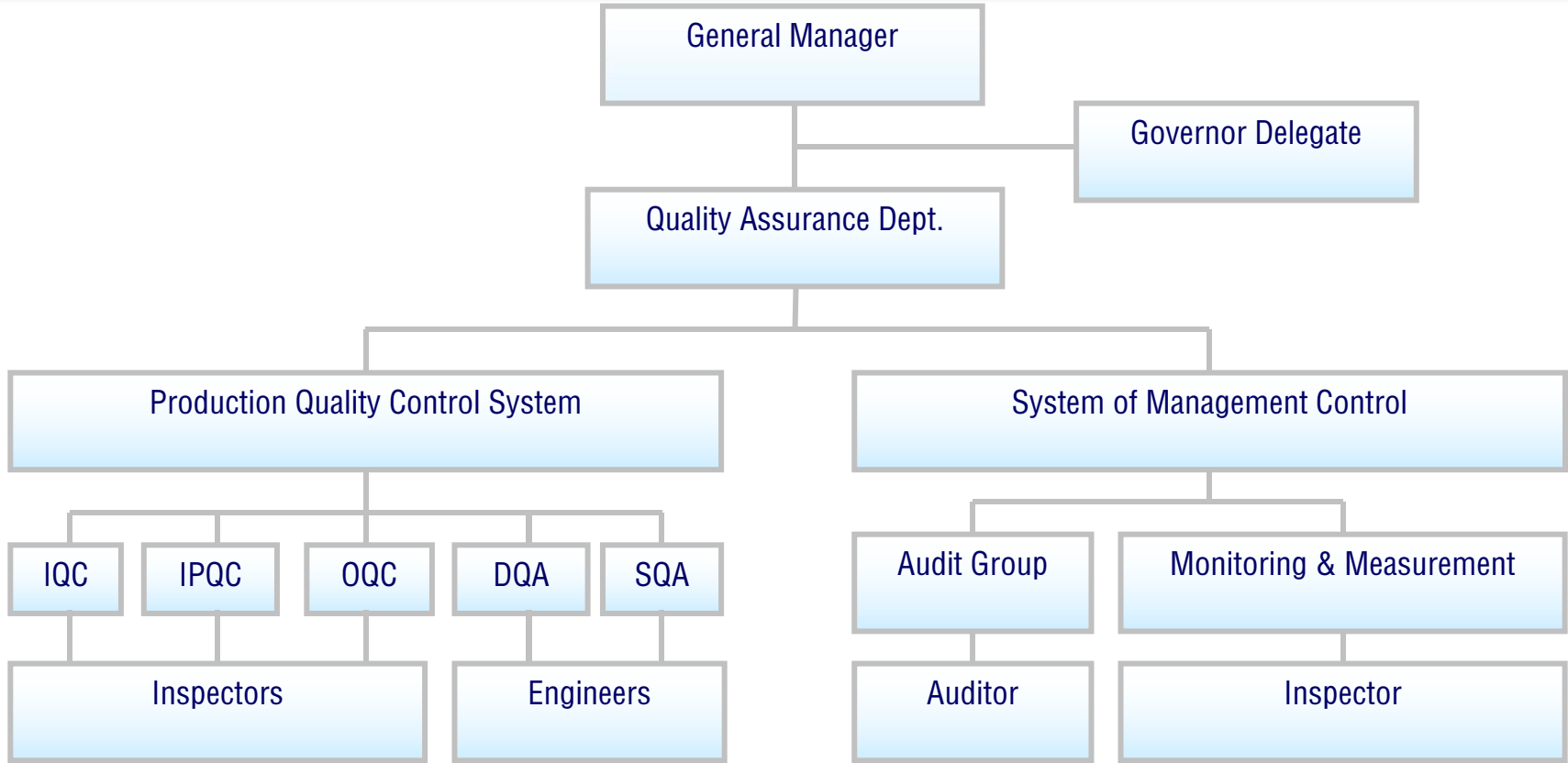
Group Main Divisions



Organization-Chart



Quality System



Quality Policy

Customer Foremost, Quality First, Full Participation, Continuous Improvement.

- ◆ **Customer Foremost:** Real time service, Win-Win, Zero Defect
- ◆ **Quality First :** Excellent quality, Cost Competitive, Tech Innovation, Value-Added
- ◆ **FULL Participation :** Improve individual's quality, Constant Innovation
- ◆ **Continuous Improvement:** Striving for excellence; Keep Going; Never Stop!

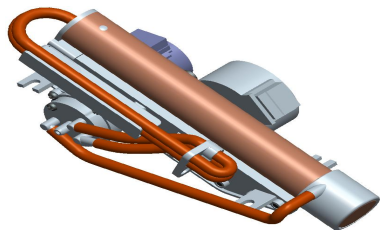
ETS Main Production & Service



Instant Heater



Inlet and Pressure Relief Integrated Valve



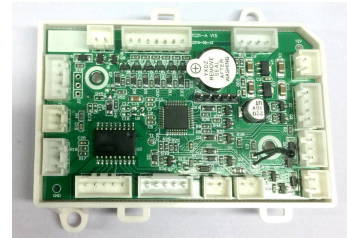
Distribution and Moving Integrated Cleaner



Integrated Toilet Seat

Toilet Cover

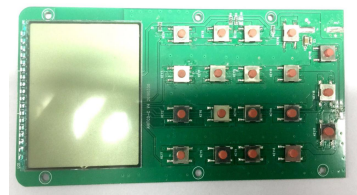
Main Controller



Power Board



Remote Controller



Turnkey Solutions for ETS on Critical Accessories and Finished Goods. Welcome Cusotmized service from outside.

ETS(Electronic Toilet Seat) Patent List

No.	Patent Category	Patent Name	Patent No.
1	Innovation Patent	Instant Heater	201810358391. 2
2	Innovation Patent	Smart waterflow Sensor	201910421480. 1
3	Utility Patent	Smart Toilet Seat	201920561897. 3
4	Utility Patent	One kind of Instant Heater	201820567300. 1
5	Utility Patent	Distribution Integrated Cleaner	201920627798. 0
6	Utility Patent	Smart Waterflow Sensor	201920725971. 0
7	Appearance Patent	Integrated Cleaner	201930330994. 7
8	Appearance Patent	Instant Heater	201730368202. 6
9	Appearance Patent	Industrial design	201730367575. 1

Instant Heater AH-CIH01



Features :

1、 CE Qualified

2、 Green Energy: we can save 30% Power Vs Standard on market by our Patent Tech.our Power of 1200W can fully replace others'1500W on market

3、 Four Layers Safety Protections:

High sensitive temperature inlet and outlet Sensors;hardware temperature switcher;interrupt fuse controller;software online MCU monitor.

4、 High Sensitive waterflow :

Our heater can normally run under waterflow lower to 250ml/Min and up to 750ml/min

ETS Critical Components

Instant Heater AH-CIH01



Features :

5、 Smart Temperature Controller

Smart running Under unstable waterflow and Power Voltage, will adjust itself with changeable waterflow and Voltages to keep temperature within safety range.

6、 Stable and sustainable temperature

Can keep temperature within 1°C normally

7、 Patent to make sure waterflow Meter runs stable and no-jamed

8、 Qualified by -40°C frozen-proof and 94 V0 fire protection

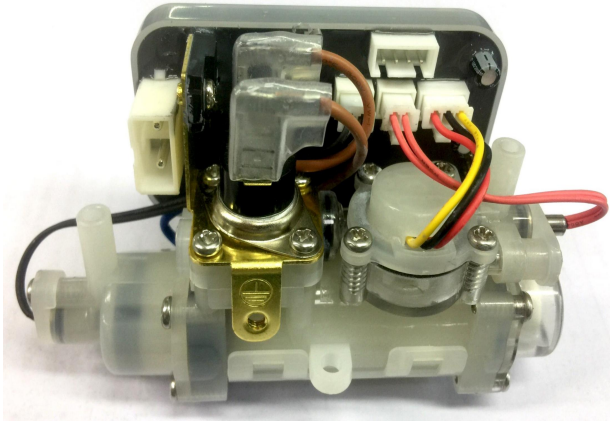
9、 Can be customized Vs different Voltage and application needs

ETS Critical Components

Instant Heater AH-CIH02

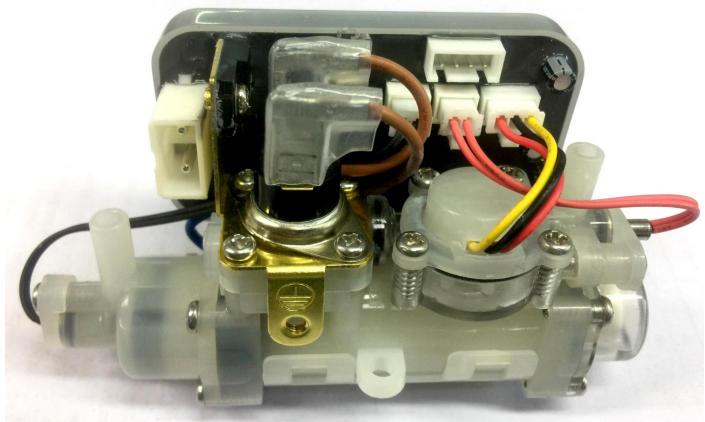
Features :

1. All outstanding functions are same as CIH01 above
2. Power: 1600W
3. Working Voltage: 220V
4. Frequency: 60HZ
5. Customized Service



智能卫浴核心部件简介

Instant Heater AH-CIH03

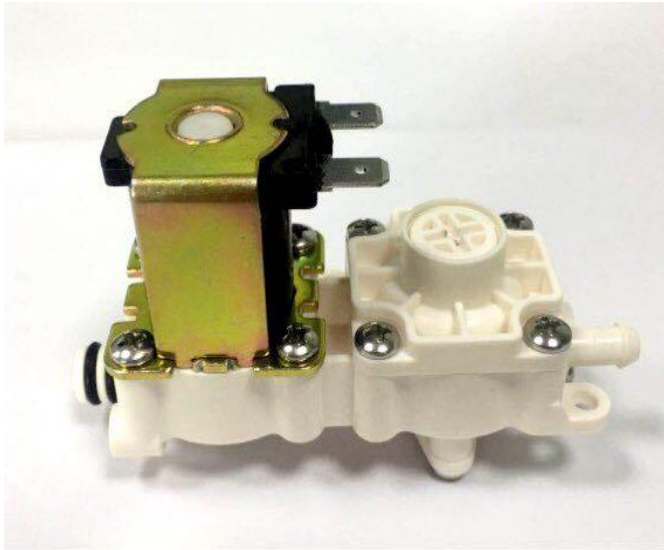


Features :

1. All outstanding functions are same as CIH01 above
2. Power: 720W
3. Working Voltage: 100V
4. Frequency: 50HZ
5. Customized Service

ETS Critical Components

Inlet and Pressure relief integrated Valve AH-EV01

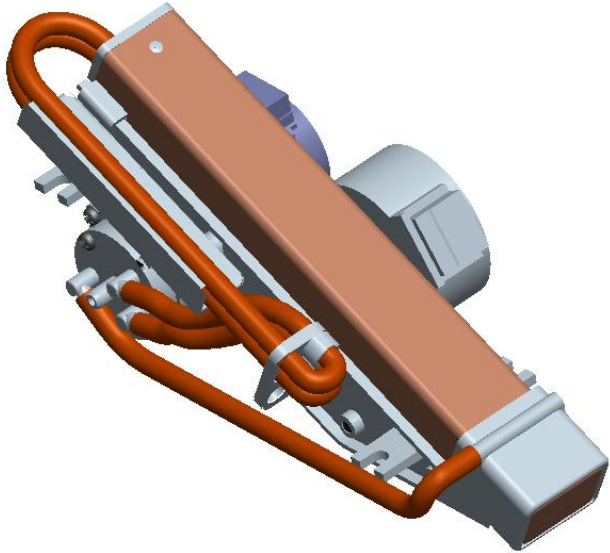


- 1)、 Applications :
Electronic Toilet Seat, Home Appliance, General Use for Public Water.
- 2)、 AH-EV01 Working Conditions :
 - 2-1. Temperature : 0-50°C
 - 2-2. Pressure : 0.3-4.0Kg/cm² , Typical : 2Kg±0.5Kg/cm²
 - 2-3. Voltage : DC12V
 - 2-4. DCR (20°C) : 25±2Ω
- 3)、 AH-EV01 Outlet features:
 - 3-1. Outlet Waterflow : 300-700mL/Min , Typical : 500mL/Min±10%
 - 3-2. Outlet Pressure : 1.5Kg/cm²±15%
- 4)、 Customized Service
- 5)、 Assmeby Dirctions Switcher
- 6)、 Lifetime : 50K times.



ETS Critical Components

Distribution integrated Cleaner AN01



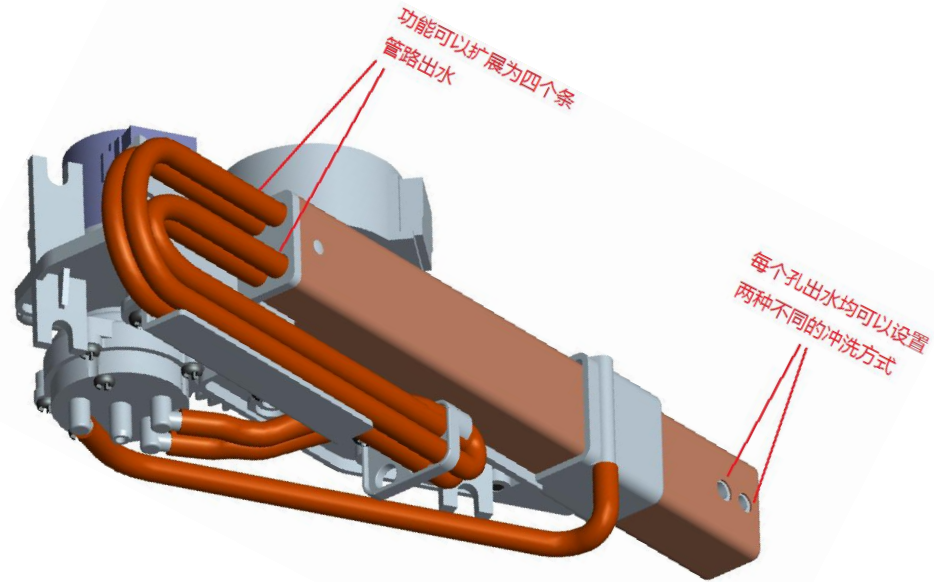
Features:

1. Integrated Distribution and Save design Size to make smaller possibly
2. Patent design on Spray Mechanics with good practice
3. Patent design on Distribution system to make sure female and male outlet hole separately and completely and good fit to good Air Pump to stimulate Water spray
4. Nice and Stable inlet and outlet water Tube layout to save the moving space for cleaner
5. Gear Track moving system to make Cleaner moving stably and smoothly with less noise
6. Smart inlet tube mechanics to look nice and save space, especially no interference involve Tubes while Cleaner is moving
7. Support 4 different outlet holes potentially.

ETS Critical Components

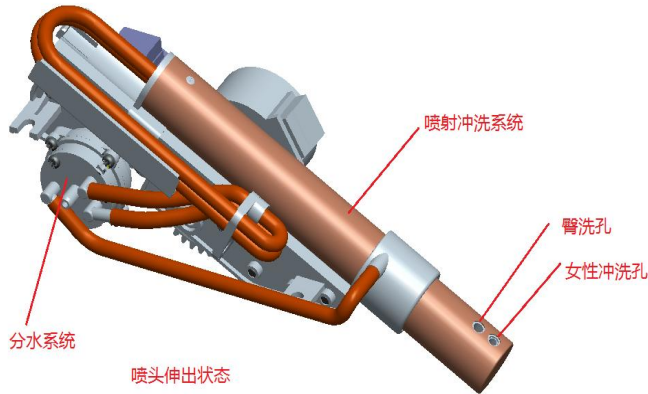
Distribution integrated Cleaner AN01

Upgrade to 4 different
outlets:
Distribution bigger enough
to equip with 4 outlet holes
potentially



ETS Critical Components

Distribution integrated Cleaner AN02



Features:

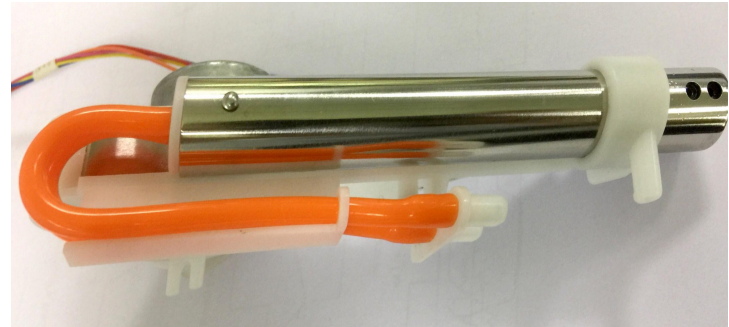
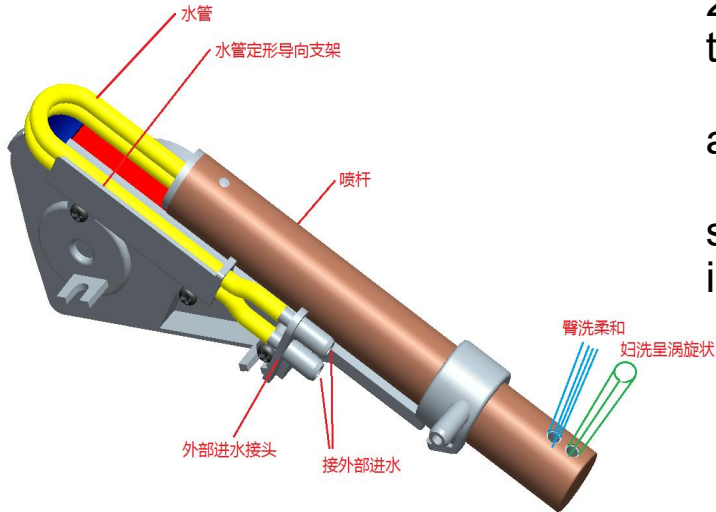
1. Integrated Distribution and Save design Size to make smaller possibly
2. Patent design on Spray Mechanics with good practice
3. Patent design on Distribution system to make sure female and male outlet hole separately and completely and good fit to good Air Pump to stimulate Water spray
4. Nice and Stable inlet and outlet water Tube layout to save the moving space for cleaner
5. Gear Track moving system to make Cleaner moving stably and smoothly with less noise
6. Smart inlet tube mechanics to look nice and save space, especially no interference involve Tubes while Cleaner is moving

ETS Critical Components

Simple Cleaner AN03

Features:

1. Patent design on Spray Mechanics with good practice
2. Nice and Stable inlet and outlet water Tube layout to save the moving space for cleaner
3. Smallest Size system to make Cleaner moving stably and smoothly with less noise
4. Smart inlet tube mechanics to look nice and save space, especially no interference involve Tubes while Cleaner is moving



ETS Critical Components

Distribution Valve



Features:

- 1、 Different outlet holes
- 2、 More Quicker Switch between Female and Male
- 3、 Driving water timely
- 4、 Quicker to push out left water
- 5、 Wide Pressure range, No water leakage under 0.5KG-4KG Pressure
- 6、 Own design and Own inhouse molding without outside standard part

ETS Critical Components

Waterflow Sensor

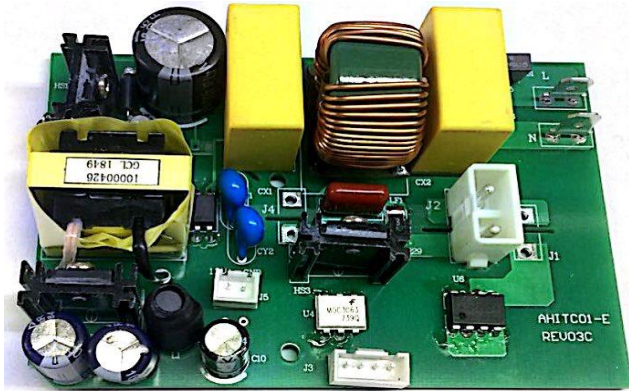


Features:

- 1、 More Sensitive
- 2、 Accurate waterflow Monitor
- 3、 No jamed Mechanics
- 4、 Stainless left
- 5、 No Dry burning with online monitor
- 6、 Innovation Patent

ETS Critical Components

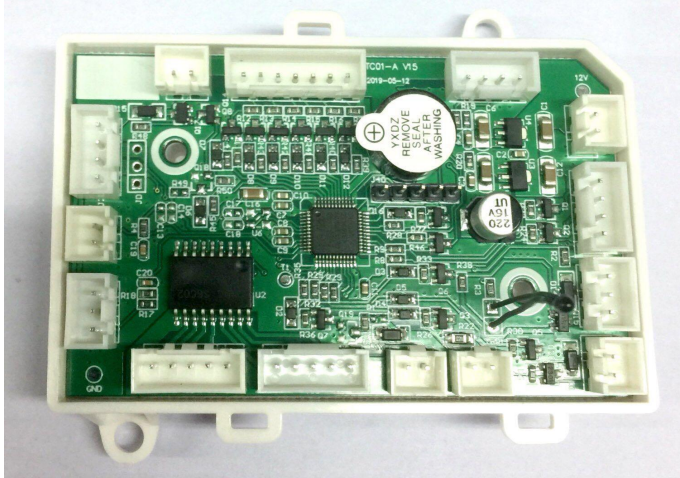
Power Board



- 1、 EMC Qualified
- 2、 Output Voltage: 12V/2A DC
- 3、 Input Voltage:187-265V
- 4、 Seat heating control terminal
- 5、 Customized available

ETS Critical Components

Main Controller for Toilet Cover

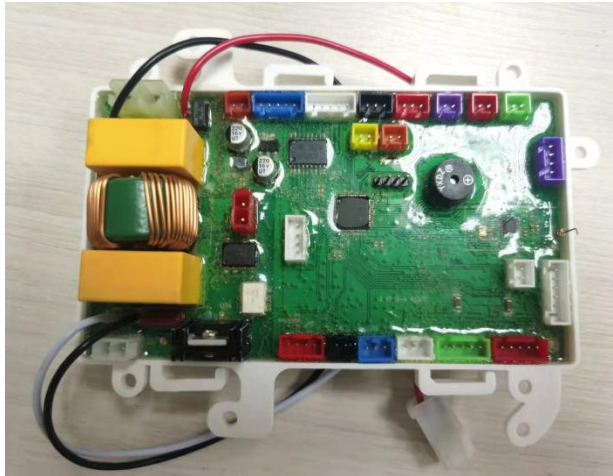


Main Functions :

- 1、 Remote Control and Manual
- 2、 Inlet and Pressure Relief Valve control
- 3、 Instant Heater
- 4、 Cleaner Mode (moving massage, general massage...)
- 5、 Cleaner Position adjustment
- 6、 Seat Heating
- 7、 Drying Blower
- 8、 Seating Sensor
- 9、 Status Indicator
- 10、 Blower adjustment
- 11、 Smell cleaning control
- 12、 Night and Virus-killer light
- 13、 Air Pump
- 14、 Customized Available

ETS Critical Components

Main Controller For Integrated Toilet Seat



Main Functions :

1. Radar Sensor to open the Cover Auto.
2. Sensor to open the seat Auto.
3. POPO foam to Ceramic basin to protect from Water rising
4. Voice control to open or close the Cover and Seat
5. Remote Control and Manual
6. Inlet and Pressure Relief Valve control
7. Instant Heater
8. Cleaner Mode (moving massage, general massage...)
9. Cleaner Position adjustment
10. Seat Heating
11. Drying Blower
12. Seating Sensor
13. Status Indicator
14. Blower adjustment
15. Smell cleaning control
16. Night and Virus-killer light
17. Air Pump
18. Customized Available

ETS Critical Components

Touch Panel Remote Control



Features :

1. Touch Panel Board and Nice looking
2. 2.4G RF Tech, free Directions to control
3. Green Energy, one common 3A Batter can support half of Year
4. Cleaning Mode(5 different Styles)
5. Cleaner Position Adjustment
6. Air Pump
7. Temperature adjustment
8. Drying Adjustment
9. User Customize Style setting(3 users)
10. Night lighting
11. Start, Pause and Close
12. Customized Available

ETS Critical Components

Typical Key Remote Control



Features :

- 1.2.4G RF Tech, free Directions to control
- 2.Green Energy, one common 3A Batter can support half of Year
- 3.Cleaning Mode(5 different Styles)
- 4.Cleaner Position Adjustment
- 5.Air Pump
- 6.Temperature adjustment
- 7.Drying Adjustment
- 8.User Customize Style setting(3 users)
- 9.Night lighting
- 10.Start, Pause and Close
- 11.Customized Available

智能卫浴核心部件简介

Manual Control

Features :

- 1.2.4G RF Tech, free Directions to control
- 2.Green Energy, one common 3A Batter can support half of Year
- 3.Cleaning Mode(5 different Styles)
- 4.Cleaner Position Adjustment
- 5.Air Pump
- 6.Temperature adjustment
- 7.Drying Adjustment
- 8.User Customize Style setting(3 users)
- 9.Night lighting
- 10.Start, Pause and Close
- 11.Customized Available

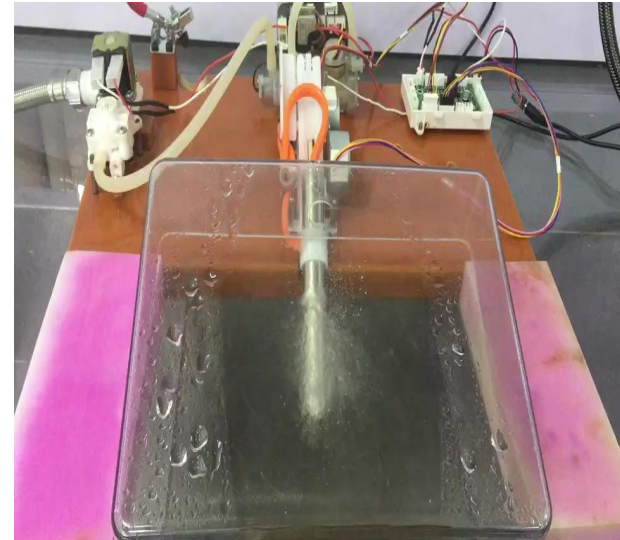


Aging Test on Critical Components

Heater Aging Test



Cleaner Aging test

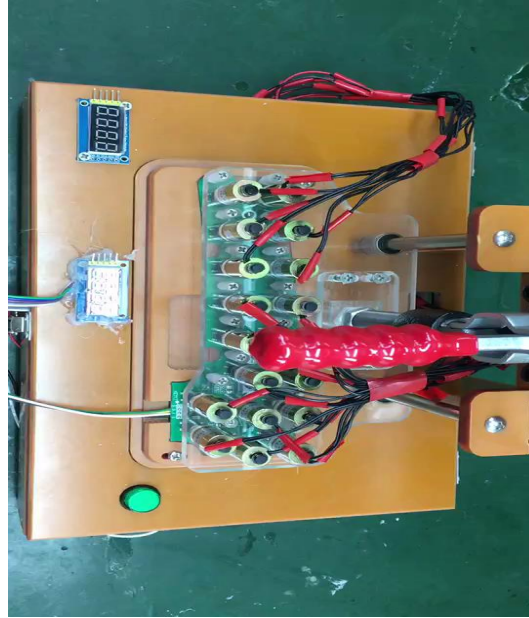


Aging Test on Critical Components

Power Board



Keyboard



Remote Control



Function and Aging Test

Auto Test for Remote Control



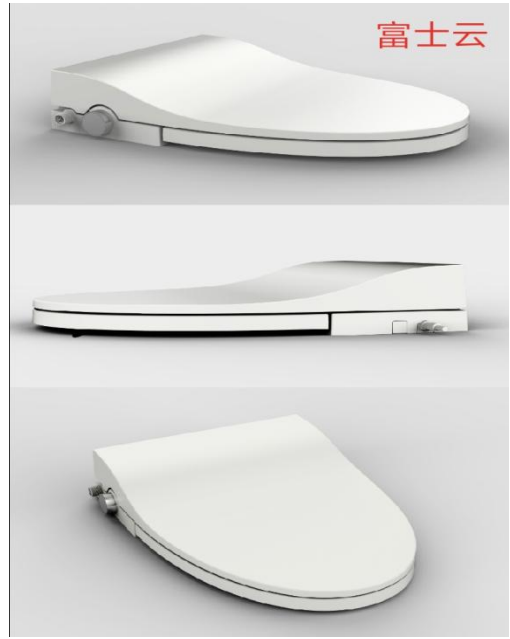
Auto Test for Finished Goods



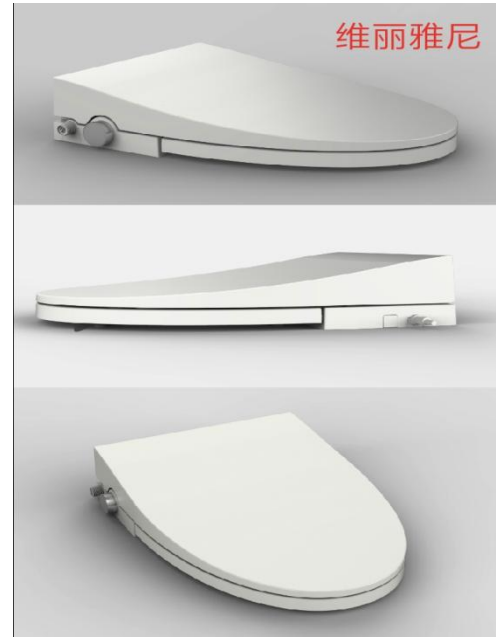
ETS Finished Goods

Latest Versions with Full typical functions

富士云



维丽雅尼

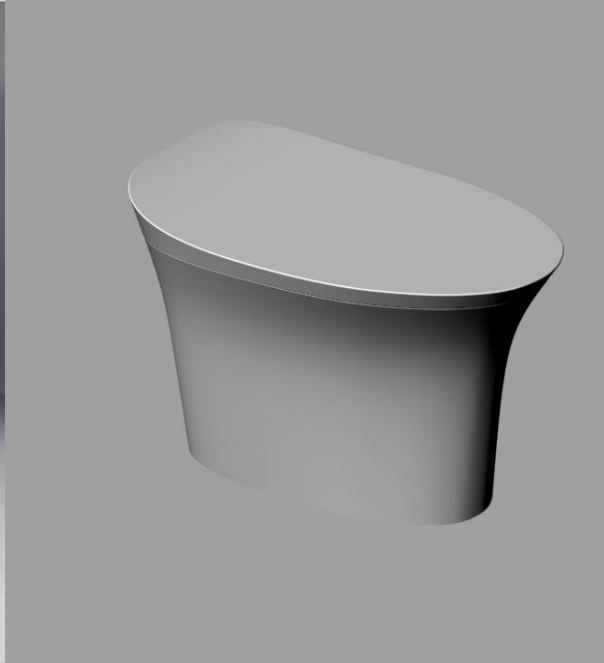


伊之新月



ETS Finished Goods

Latest Versions with Full typical functions



ETS Finished Goods

Integrated
Toilet Seat

Manual KEYBoard
Toilet Cover

Romote Control
Toilet Cover



Keyboard



Remote Control

Office Show



Workshop



Testing Lab



Own design on Aging
And FCT Auto Tester



Testing Equipments and Instruments

Cooling & Hotting

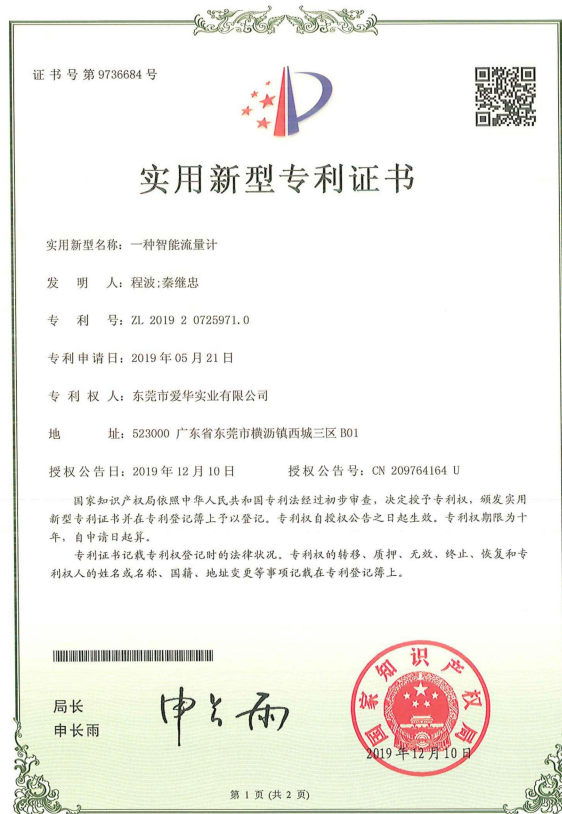
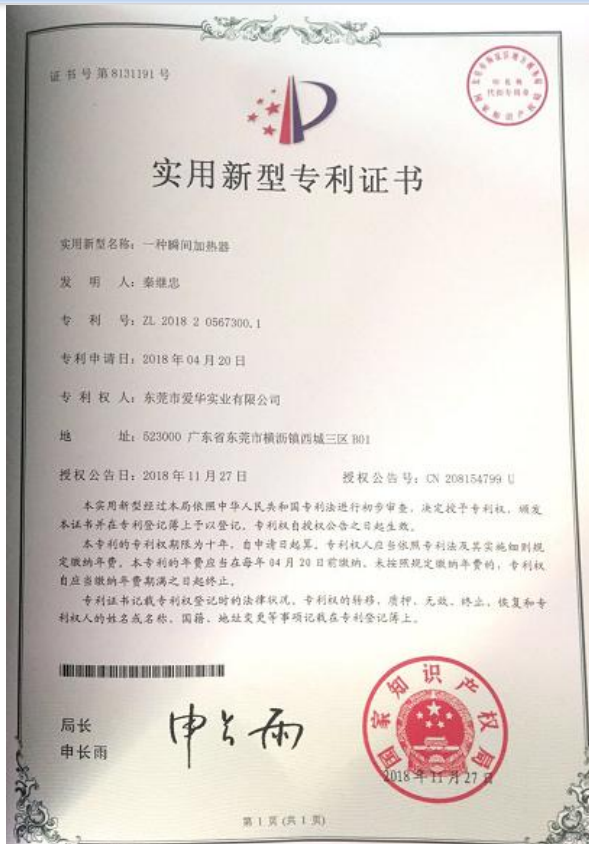


Salt Spraying





Moisture & Temperature





010

证书号第 5505831 号

外观设计专利证书

外观设计名称：集成喷头 (AN02)

设计人：程波; 秦维忠

专利号：ZL 2019 3 0330994.7

专利申请日：2019年06月25日


专利权人：东莞市爱华实业有限公司

地址：523000 广东省东莞市横沥镇西城三区 B01


授权公告日：2019年12月10日 授权公告号：CN 305486657 S

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发外观设计专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效，专利权期限为十年，自申请日起算。

专利证书记载专利权登记时的法律状况，专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。



局长
申长雨



2019年12月10日

第 1 页 (共 2 页)

其他事项参见背面

0766



中华人民共和国国家知识产权局

Y618100700C1002

510620

广东省广州市天河区体育西路 191 号 B 塔 4416
广州粤高专利商标代理有限公司 罗晓桂(0769-2293790), 杨桂萍
(0769-23607983)

发文日:

2018年04月20日



申请号或专利号: 201810358391.2

发文序号: 2018042001075530

专利申请受理通知书

根据专利法第 28 条及其实施细则第 38 条、第 39 条的规定, 申请人提出的专利申请已由国家知识产权局受理。现将确定的申请号、申请日、申请人和发明创造名称通知如下:

申请号: 201810358391.2
申请日: 2018 年 04 月 20 日
申请人: 东莞市爱华实业有限公司
发明创造名称: 一种瞬间加热器

经核实, 国家知识产权局确认收到文件如下:
权利要求书 每份页数:1 页 文件份数:1 份 权利要求项数: 10 项
发明专利请求书 每份页数:4 页 文件份数:1 份
实质审查请求书 每份页数:1 页 文件份数:1 份
说明书附图 每份页数:2 页 文件份数:1 份
专利代理委托书 每份页数:2 页 文件份数:1 份
说明书摘要 每份页数:1 页 文件份数:1 份
说明书 每份页数:4 页 文件份数:1 份



提示:

1. 申请人收到专利申请受理通知书之后, 认为其记载的内容与申请人所提交的相应内容不一致时, 可以向国家知识产权局请求更正。
2. 申请人收到专利申请受理通知书之后, 再向国家知识产权局办理各种手续时, 均应当准确、清晰地写明申请号。
3. 国家知识产权局收到向外国申请专利保密审查请求书后, 根据专利法实施细则第 9 条予以审查。

审查员: 自动受理

审查部门: 专利局初审及流程管理部

200101 纸件申请, 国政请函: 100068 北京市海淀区中关村东路 8 号 国家知识产权局受理接收
2010.4 电子申请, 应当通过电子专利申请系统以电子文件形式提交相关文件。除另有规定外, 以纸件等其他形式提交的文件视为未提交。

Certificates

AN TENG TESTING CERTIFICATION ▲ AN TENG TESTING CERTIFICATION ▲ AN TENG TESTING CERTIFICATION

WWW.ANTENGLAB.COM
Tel:86-755-27724522
Fax:86-755-27724533



Certificate of Conformity

Certification No. : ATT1191120731S
Applicant : IHUA INDUSTRIES CO., LTD.
Address : B01,XiCheng Industrial Park 3, HengLi Town, DongGuan,China.
Manufacturer : IHUA INDUSTRIES CO., LTD.
Address : B01,XiCheng Industrial Park 3, HengLi Town, DongGuan,China.
Certification Marking : PSE
Product Description : Electronic toilet seat
Model : ETS-M01EP, ETS-M01SP
Trademark : **NAERTECH**
纳尔科技

The above products have been tested by us with listed standard and found in compliance with the standard. It is possible to use PSE marking to demonstrate the compliance with this Directive.

Test Standards : J60335-2-94(H25)
J60335-1(H27)

The certificate is based on a single evaluation of tested samples of above-mentioned product. It does not imply an assessment of the whole production and does not permit the use of the test laboratory logo.



Authorized Signer:

Joseph Yang, Manager
November 29, 2019

Shenzhen An-Teng Testing Service Co., Ltd

Room 402-405, Floor 4th, Building C, Yuxing Technology Industrial Park, Xixiang Street, Bao 'An District, Shenzhen, Guangdong, China

WWW.ANTENGLAB.COM
Tel:86-755-27724522
Fax:86-755-27724533



Certificate of Conformity

Certification No. : ATT1191120732D
Applicant : IHUA INDUSTRIES CO., LTD.
Address : B01,XiCheng Industrial Park 3, HengLi Town, DongGuan, China.
Manufacturer : IHUA INDUSTRIES CO., LTD.
Address : B01,XiCheng Industrial Park 3, HengLi Town, DongGuan, China.
Certification Marking : RED
Product Description : Electronic toilet seat
Model : ETS-M01RE, ETS-M01RS
Trademark : **NAERTECH**
纳尔科技

Sufficient samples of the product have been tested and found to be in conformity with

Test Standards	ETSI EN 301 489-1 V2.2.0
	ETSI EN 301 489-17 V3.2.0
	EN 62311:2008
	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 ETSI EN 300 328 V2.1.1

When tested as specified, the submitted sample complies with RED Directive 2014/53/EU
The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test laboratory logo.



Authorized Signer:

Joseph Yang, Manager
November 29, 2019

Shenzhen An-Teng Testing Service Co., Ltd

Room 402-405, Floor 4th, Building C, Yuxing Technology Industrial Park, Xixiang Street, Bao 'An District, Shenzhen, Guangdong, China

AN TENG TESTING CERTIFICATION ▲ AN TENG TESTING CERTIFICATION ▲ AN TENG TESTING CERTIFICATION

WWW.ANTENGLAB.COM
Tel:86-755-27724522
Fax:86-755-27724533



Declaration of Conformity

Certification No. : ATT1191120732R
Applicant : IHUA INDUSTRIES CO., LTD.
Address : B01,XiCheng Industrial Park 3, HengLi Town, DongGuan, China.
Manufacturer : IHUA INDUSTRIES CO., LTD.
Address : B01,XiCheng Industrial Park 3, HengLi Town, DongGuan, China.
Certification Marking : CE-RoHS
Product Description : Electronic toilet seat
Model : ETS-M01RE, ETS-M01RS
Trademark : **NAERTECH**
纳尔科技

An independent evaluation on the above-mentioned product(s) has been conducted pursuant to EU 2015/863 with 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment, and concluded that the equipment under evaluation met the legislative requirements of this directive.

Test standard: IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-6:2015, IEC 62321-8:2017



Authorized Signer:

Joseph Yang, Manager
November 29, 2019

Shenzhen An-Teng Testing Service Co., Ltd

Room 402-405, Floor 4th, Building C, Yuxing Technology Industrial Park, Xixiang Street, Bao 'An District, Shenzhen, Guangdong, China

Contact



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Park , ShaTian Town,
DongGuan,China.**

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HP: +86 185 6618 0728

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sales@ihuagroup.com**