

RESPONSIBILITY FROM ABILITY TECHNOLOGY CHANGES ANTI EPIDEMIC





CONTENT



CEI Brief Introduction



Main job for anti epidemic in 2020



Innovative application of anti-epidemic production equipment





Brief introduction of China National Electric Part I Brief introduction of China Mational Lieu

www.cei1958.com 股票代码: 688128





1- Company History





2- Company Introduction

China National Electric Apparatus Research Institute (CEI) Co.,Ltd, has a registered capital of 404.5 million yuan, and now has more than 4, 000 employees, with professional and technical personnel accounting for more than 70% of the total staff.









3- Company Qualification

A sound international quality management system and engineering qualifications that help customers avoid the risks of overseas investment processes, patents and standards.



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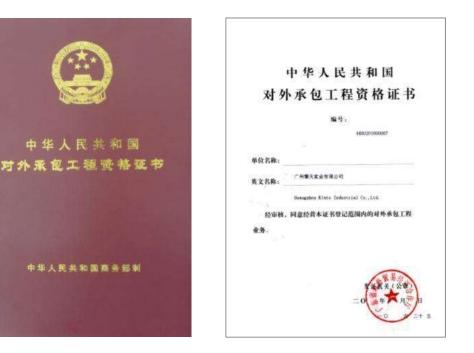


3- Company Qualification

Sound international quality management system and engineering qualifications for customers to avoid overseas investment processes, patents and standard risks

Qualification Certificate of the people's Republic of China for Foreign Contracting projects issued by the Department of Foreign Trade and Economic Cooperation. (the only enterprise in China's home appliance industry with this certificate)









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Brief introduction of China National Electric Apparatus Research Institute (CEI) Co.,Ltd

4- Scope of Business

Development headquarters of China Electric Institute(CEI)

- State Key Laboratory
- National Innovative Enterprise
- National-level international scientific and technological cooperation demonstration base
- More than 4300 scientific and technological achievements
- 238 authorized patents
- World-class scientific research equipment with over 100 million yuan

Service business sector of China Electric Institute (CVC)

- Third-party technical service organization specializing in inspection and certification business
- One of the CB laboratories with the most accredited standards in Asia
- System certification agency authorized by CNCA
- CCC certification body (home appliances, accessories, motors)

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Technology Industry Business Segment of China Electric Institute (Kinte)

- Undertake overall plant planning and general contracting business for household appliances manufacturing plants
- R&D and manufacturing of complete testing equipment
- Sheet metal production equipment
- Production line and logistics transportation
- Painting line
- Laboratory

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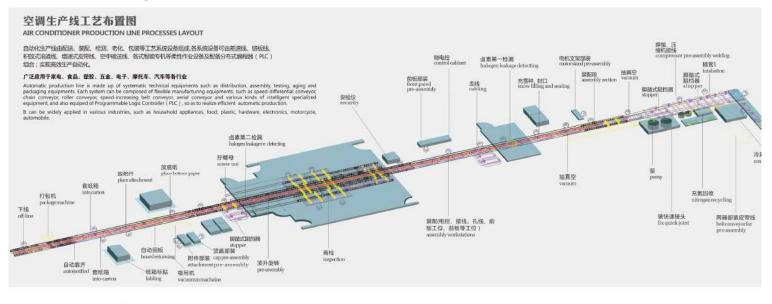








AC factory

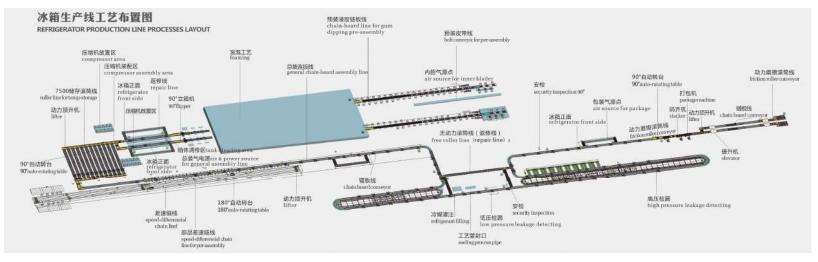








REF production line













The COVID-19 suddenly broke out in China in January 2020, and in early February, CEI appointed by the National Material Support Group for epidemic Prevention and Control, actively engaged in developing anti-epidemic production equipment.







CEI coordinated the production of manufacturers, simutaneously, positively participated in the improvement & upgrading of equipment. In the first half year, more than 1,000 sets of equipment are used for production through CEI.





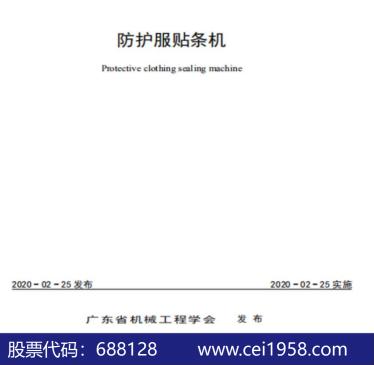






During the epidemic, CEI presided over the formulation of two group standards: "Protective clothing sticking machine" (T/GDMES 0011-2020), "New mask filter material technical requirements: PTFE film". The last standard mentioned above is the first group standard in the related fields in China, and it's also the first domestic standard to clarify the performance evaluation method of PTFE nanoporous film applied to mask filter materials, which fully reflects the advantages of new filter materials replacing the traditional materials. It played a positive role in standardizing the quality requirements in the field of epidemic prevention materials and promoting the high-quality development of new materials for epidemic prevention.









In April, when the overseas epidemic broke out, CEI actively helped our overseas customers and coordinated the preparation and production for anti-epidemic materials and production equipment, regions covering India, Algeria, Iran, Bangladesh, Singapore, Italy, United Kingdom, South Korea and other regions/







The first batch of anti-epidemic medical for Algerian government in commercial channel were settled down through CEVITAL Group and CEI cooperation, and were shipped to Algeria by airlift. This batch of material items include 5 million pieces of masks, 500,000 pieces of KN95 masks, 10,000 sets of protective suit, 50,000 pieces of Nucleic Acid Detection Kit, 150,000 throat swabs, etc.











The follow-up mask proudction machine and relative mask raw material for Algeria are also provided by CEI.







CEI actively participated in the antiepidemic war and made its contributions to the health of the people. A group of advanced figures emerged and were commended by the Chinese government.

Up to now, we still retain some production capacity of epidemic prevention materials and to ensure the needs of society in case of epidemic repeat outbreak.





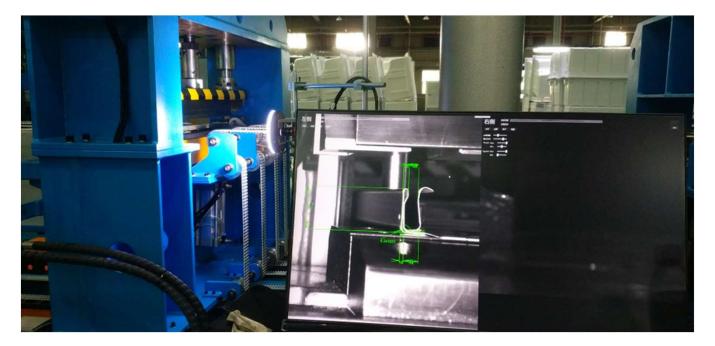








The vision system is widely used in the field of home appliances with mature technology is mature, which inspired us to apply vision for the mask machine.





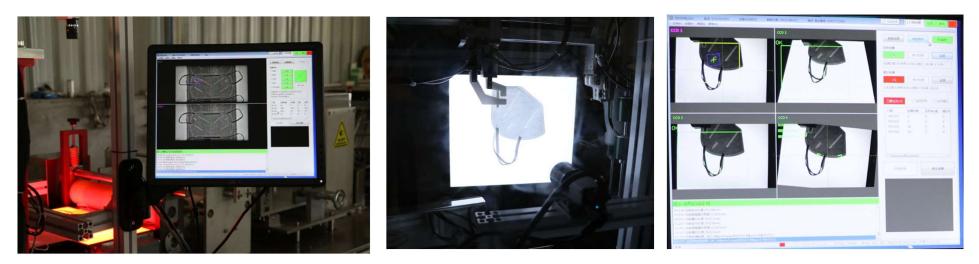


Technical improvement in the equipemnt

Traditional mask machine has the following disvantages:

- 1. Unable to judge the length and position of the nose bridge;
- 2. The quality of welding and slitting is judged manually, with different standards;
- 3. Manual unloading and sorting is not good for the next process: disinfection and bagging automation.

The intelligent KN95 mask line developed by CEI has two sets of visual inspection systems at the position of nose bridge bar and the position of the sealing side.







Technical improvement in the equipemnt

This equipment was selected into the list of the Guangzhou Innovative Product Catalog by the Guangzhou Science and Technology Bureau. It has important practical significance in anti-epidemic work. It allows some temporary mask production factories to produce reliable quality products without skilled workers. And at the same time it enable overseas companies to realize mask production more quickly.

序号	单位名称	产品名称	产品领域
1	广州万孚生物技术股份有限公司	新型冠状病毒(2019-nCoV)抗体检测试剂盒(胶体金法)	快速诊断
2	广州市兴世机械制造有限公司	全自动高速口罩生产线	防控装备
23	佳都新太科技股份有限公司	基于红外热成像的体温监测设备及社区(校园)疫情大数据 防控系统	系统软件
24	中国电器科学研究院股份有限公司	智能KN95口罩生产线	防控装备
25	广州市瑞合新材料科技有限公司	医疗液体硅橡胶	防控装备





Regarding of production equipment of protective suit, CEI simplified the structure of the hot air Sealing machine, which made the production more reliable and also reduced the production cost.







中国电器科学研究院股份有限公司 China National Electric Apparatus Research Institute Co., Ltd.

CONTACT US

GUANGZHOU KINTE ELECTRIC INDUSTRIAL CO., LTD

Address: No.16 Yufeng Road Shiling Town Huadu District Guangzhou City, P.R. China Contact: Mr.Chen (Mr.Derek) Landlline phone: 020-86985655 Email: chenjkinte@163.com

