

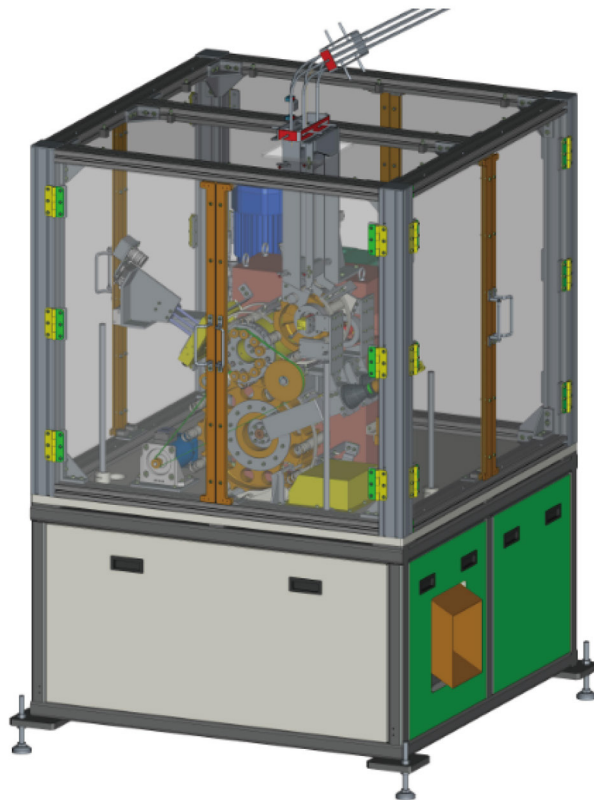


SLAC MACHINE VISION SYSTEM BATTERY SHELL

Our system is a state-of-the-art online visual inspection equipment specially developed for the cylindrical metal battery shell manufacturing industry. Based on traditional defect detection algorithms, deep learning technology was introduced to detect the surface defect accurately.

The system uses two types of high-resolution cameras to obtain the product appearance images online, which are line scan cameras and area scan cameras. Following that, SLAC 's exclusive software processes and analyzes the obtained images of the products, before finding the defects in real time and accurately discarding defective products.

It is high accurate and stable and can be integrated into the network of the company to share its information.



SUZHOU SLAC PRECISION EQUIPMENT CO.,LTD

No.1028,Sunwu Road,Xukou Town,Wuzhong District,Suzhou,Jiangsu Province,China

Tel: 0086-512-66930111

Fax: 0086-512-66248543

E-mail: slac@slac.com.cn

Http: www.slac.com.cn

Main feature

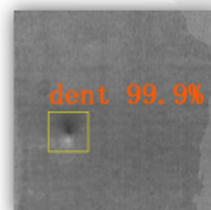
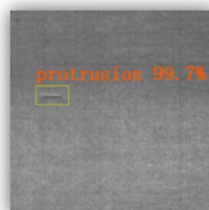
- ◆ Introduce deep learning techniques
- ◆ Automatically reject unqualified produces
- ◆ Customizations to products
- ◆ Tracking front-end production failure
- ◆ Perfect after-sale service, including system update and remote technical support

Applications

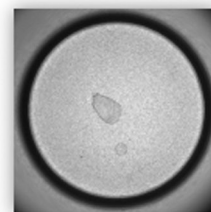
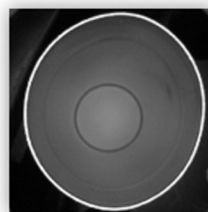
- ◆ 18650/21700 Steel Shell
- ◆ Aluminum Cylindrical Battery Housing
- ◆ 1-7#General Battery Shell

Test items

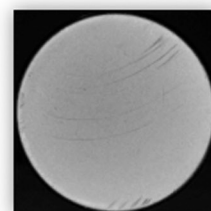
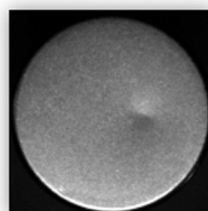
- | | |
|--------------------------|---------------------|
| ◆ Protrusion/Perforation | ◆ Not Neat Incision |
| ◆ Dent | ◆ Deformation |
| ◆ Scratch | ◆ Water Stain/Rust、 |
| ◆ Scoring | ◆ Overlapping Shell |



Outside the Cylinder



Incision Inner Bottom

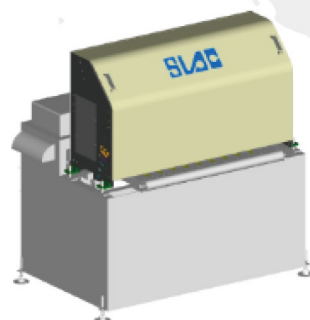


Outside Bottom

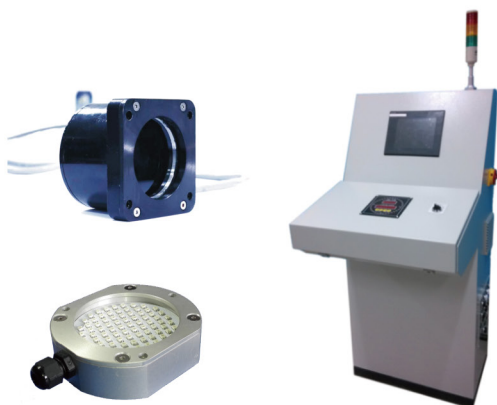
Note: The specific test items can be customized according to customer's requirements



SLAC Machine Vision System Ends



SLAC Sheet Inspection System



Light Leakage Testing System



Score Line Residual Measuring Device



SLAC Machine Vision System Medical Cap



SLAC Machine Vision System Wine Bottle Cap

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