VS45 Vision Inspection System

-Integrated Relative Height Detection

Fuse box detection system

The fuse box will bring a certain tolerance in the manufacturing process. The traditional height detection of fuse and relay can not avoid the manufacturing tolerance of the fuse box by adopting the absolute height measurement scheme. To solve this problem, Komax Testing developed a relative height detection system VS45 which can solve the height error caused by fuse box tolerance effectively. The machine is stable, efficient and easy to use.

Reliable detection

- Signal processing and OCR(color and template matching)
- AI identification with font library technology
- Relative height detection
- CMK：>1.6 (depending on the amount of shaking of the terminal in the fuse box and the material tolerance)
- Detection accuracy: 0.1 mm (sensor accuracy can reach 0.01 mm).

Easy operation

- The wrong fuse or relay is displayed on the same interface
- Set parameters for adaptive learning, and the user can get started in a short time
- Can set up the relative tolerance for each fuse or relay
- The position of fuse and relay are set up at one time
- The parameter setting and background running software can be customized according to customer requirements

Higher efficiency

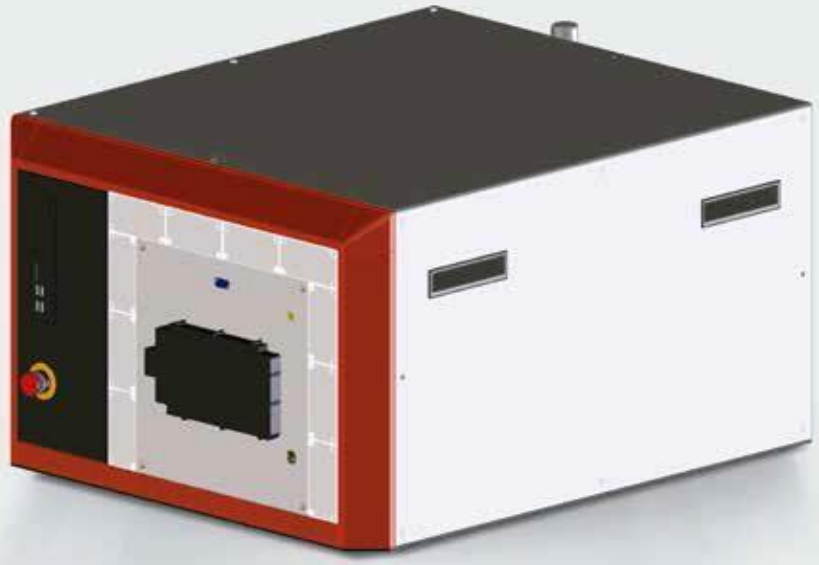
- Easy to adjust the tolerance in the production process
- Important functions are protected by password

Technical parameter

Maximum size of fuse box	260*130 mm
Voltage	220/110 AC 50 Hz
Air pressure	6 Bar
Dimension (l×h×d)	665 ×472 ×998 mm
Installation method	General installation
Weight	≈ 40 kg

Height detection interface

Vision detection interface



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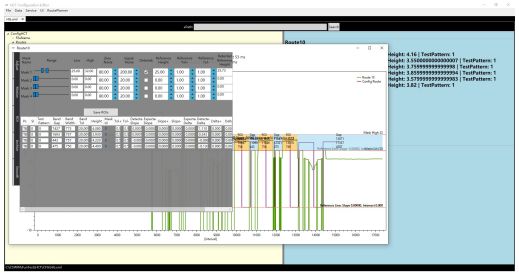
Efficient detection

- The optimized CSWIN detection system further improves the existence, error and relative high detection of fuses and relays, and more effectively ensures the consistency and stability of testing result
- The software reserves a secondary development interface, which can better integrate with the electrical inspection platform and communicate with MES

Simple appearance

Advantage of configuration tool

- The positions of fuse and relay are set up at one time
- The height set up for fuse and relay can be adaptive learning, which can reduce the installation time
- The detection threshold can be adjusted according to the characteristics of each components to improve the detection accuracy and stability.



Configuration interface

Detectable components

- Fuses: mini fuse, standard fuse, transparent fuse, etc
- Relay: various sizes of relays

Insert into the fuse box