AOI & Intelligent THT Assembly

NEO STATION

Intelligent THT assembly station,
Standardized component assembly procedure Neo Station

NEO STATION

What is Neo Station?

Neo Station can transform your manual assembly into smart manufacturing needs. For low volume, high mix PCB assembly still needs a manual operation, with the help of Neo Station, the operator can increase efficiency and accuracy with a smart THT assembly station.
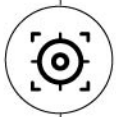
How does it work?

Neo Station can recognize PCB assembly programming by RFID or barcode. Assembly process and notice will appear on the screen. Component position the PCB will be projected and users can see where they need to place the component.

AOI

With the built-in optical inspection (AOI) system, users can easily identify defects in specific areas. The more data you collect, the easier it is to continuously improve. With the help of AOI, Neo station knows exactly when and how each part is placed throughout the whole assembly process.

Hands Tracking

With an AI-based vision system, Neo Station enables hands tracking in the assembly process.

Paperless Instruction

Using image and video-based assembly instructions, your employees deliver the highest quality and efficiency regardless of skills, language, or qualifications. Integrated AOI makes self-testing possible.
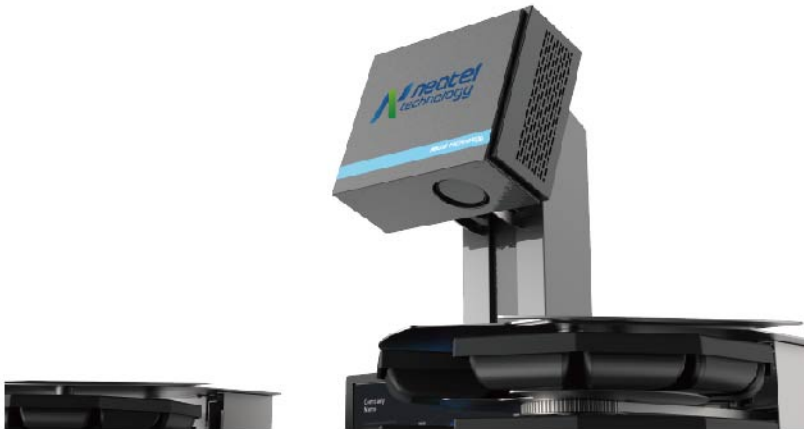
NEO STATION

Best Practice

The innovative way of learning is through enhanced learning. Set up your new employee for success by using intuitive work instruction-based system. It's as simple as showing them how to use the software one time. Providing ongoing and frequent communication about the latest best practices boosts efficiency and closes the skills gap.

1D/2D Code

Start your assembly processes by scanning a 1D/2D code on your products. The linked assembly process programming will be loaded.

Assembly Process Standardized

Digital component assembly instruction is visualized. It is simple to understand and easy to follow. Internal knowledge transfer is becoming easy.

Lean Manufacturing

Document key actions to avoid errors. Facilitate knowledge transfer between your members. Make training new team members more efficient. Drive consistency and clarity.

Traceability

High data grain level operation is achieved with the help of the traceability module in Neo Station software. Component ID, the image could be stored in a database for future verification.

Benefits

- Modular design: user can add more THT assembly station in future
- Automatic Optical Inspection: component issues (missing, the wrong position, etc.)
- Interactive operation: Laser projector-guided operation
- Flexible system integration

TECHNICAL SPECIFICATION

ITEM	SPECIFICATION
Pick To Light	Option
Offline Programming	Yes
Bom Upload	Yes
Image Upload	Yes
Assembly Guiding	Yes
Remote Assistance	Option
Vision Inspection	Yes
Handheld Barcode Reader	Option
Monitor	Yes
IPC	Yes
Network	Yes
Power Supply	AC200-240V
Power	1KVA

NEOTEL
Website

NEOTEL
LinkedIn

NEOTEL
YouTube

NEOTEL
Facebook

NEOTEL
Twitter

https://global.neotel.tech/

www.linkedin.com/
company/neotel

www.youtube.com/
channel/UCRPK_BBmv-
D5GfbALoxXnCIw

www.facebook.com/
neoteltechnologysmt

twitter.com/
neotelstorage

https://global.neotel.tech/

Neotel Technology Co., Ltd
Head Office:
Building 18 No.1588 Lian Hang Rd. Minhang, Shanghai, 201112, China
Manufacturing Center:
No.48 Gui Jia Xiang Rd. SIP,Suzhou, JiangSu, 215024,China

Toll Free: 0086-400-0881622   E-mail: info@neotel.tech