

SMART MATERIAL FLOW

Neo Light series

Smart Rack for SMT REELS

NEO LIGHT



NEO LIGHT: YOUR SMT STORAGE SOLUTION

The Neo Light system is a material management solution that utilises Pick to Light technology to improve the accuracy and efficiency of SMT (Surface Mount Technology) operations. The system guides operators through picking, sorting, retrieving and storing reels using light guidance of different colours. It is integrated with user software systems, enabling work order-driven picking and material replenishment. The system also allows for multi-colour lighting to support multiple work orders.

The Neo Light system comprehensively manages SMT materials such as 7-15 inch reels, PCBs, and trays. It can store up to 1400 reels per rack, making it an efficient and effective solution for managing large volumes of SMT materials. Neo Light complies with industry ESD standards like ANSI/ESD S20.20:2014 standard.

NL:NEO LIGHT



The Neo Light Standard uses light guidance to aid operators in various SMT material processes such as Kitting, Replenishment, Splicing, and Picking. It helps to increase the accuracy and efficiency of these processes by providing clear visual cues for operators to follow.

NLP: NEO LIGHT PLUS



The Neo Light Plus (NLP) is an enhanced version of the Neo Light Standard. In addition to light guidance, it also comes with a position sensor. This sensor allows for real-time tracking of material positions, which enables the NLP to automatically update inventory information for SMT materials during the picking and putting process. This feature helps to improve the accuracy and efficiency of material management.

NLS: NEO LIGHT STENCIL



The Neo Light Stencil (NLS) series is specifically designed for storing SMT stencils. During the Pick-to-Light process, operators can easily select the stencil number using the lighting guidance and pick up the correct stencil. If an operator selects the wrong stencil, the system will alert them, helping to prevent errors and increase efficiency in the stencil storage process.





NLB: NEO LIGHT PCB

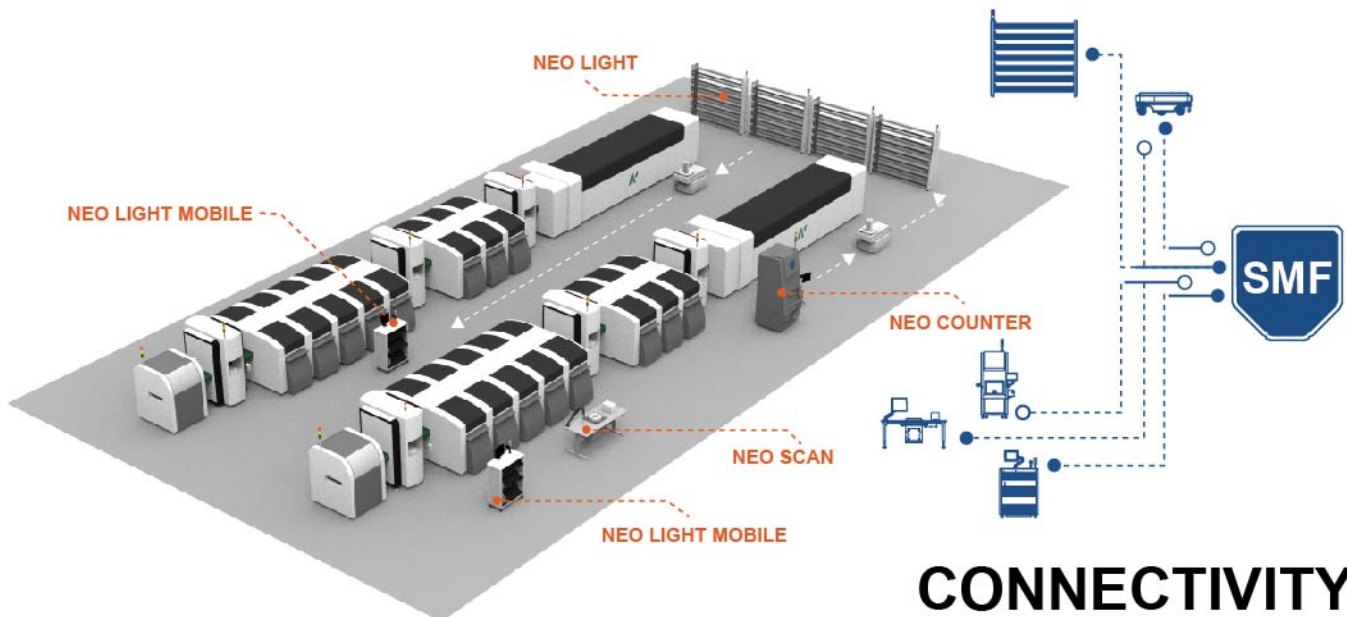
The Neo Light PCB (NLB) series is designed for storing Printed Circuit Boards (PCBs). The system allows for the customisation of PCB location for the operator, making it easy to find and retrieve the correct board. Neotel also provides a retrofit solution for installation on existing racks, which only requires the addition of the lighting bar and controller to improve PCB storage. This solution allows users to upgrade their existing storage systems with Neo Light technology without needing extensive remodelling or purchasing new racks.

NLM: NEO LIGHT MOBILE

The Neo Light Mobile (NLM) series is designed to manage SMT production facilities' materials conveniently. With its mobility design, it makes it easy to move around the facility and have access to materials. The NLM series is equipped with a WiFi system, allowing real-time material information updates. The NLMP version of the NLM series additionally comes with a position sensor to provide better material control. This feature enables users to track materials' location and allows for more accurate inventory management.

SMF SOFTWARE

Neo Light is powered by SMF (Smart Material Flow) software, a software suite developed by Neotel Technology that controls and automates the management of electronic materials. The SMF system provides users with an intelligent and process-controlled system for managing electronic materials. It can be integrated with the user's existing software systems, making it easy to use and manage in various production environments. The SMF software is designed to help users to optimise the material flow and increase the efficiency in the SMT production facility.



CONNECTIVITY

The SMF software includes a connectivity module allowing users to integrate Neo Light and other Neotel products into their IT systems. This module provides various options for system integration, including APIs and other connectivity options, allowing users to integrate Neo Light into their existing workflow and processes seamlessly. This allows for real-time monitoring and control of materials, inventory management, and other essential processes, helping to optimise production efficiency and reduce errors.

TECHNICAL SPECIFICATION

	NL	NLP	NLM	NLMP	NLS	NLB
Material	Reel	Reel	Reel	Reel	Stencil	PCB
Position Sensor	No	Yes	No	Yes	Yes	No
Max Capacity	1400	1400	240	240	90	Customised
Work Order Color	Yes	Yes	Yes	Yes	Yes	Yes
LAN	Yes	Yes	Yes	Yes	Yes	Yes
WiFi	Yes	Yes	Yes	Yes	Yes	Yes
Touch Screen	Option	Option	Yes	Yes	Option	Option
Battery	No	No	Option	Option	No	No



NEOTEL
Website

<https://global.neotel.tech/>



NEOTEL
LinkedIn

[www.linkedin.com/
company/neotel](http://www.linkedin.com/company/neotel)



NEOTEL
YouTube

[www.youtube.com/
channel/UCRPK_BBmv-
D5GfbALoxXnClw](http://www.youtube.com/channel/UCRPK_BBmv-D5GfbALoxXnClw)



NEOTEL
Facebook

[www.facebook.com/
neoteltechnologysmt](http://www.facebook.com/neoteltechnologysmt)



NEOTEL
Twitter

[twitter.com/
neotelstorage](http://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