

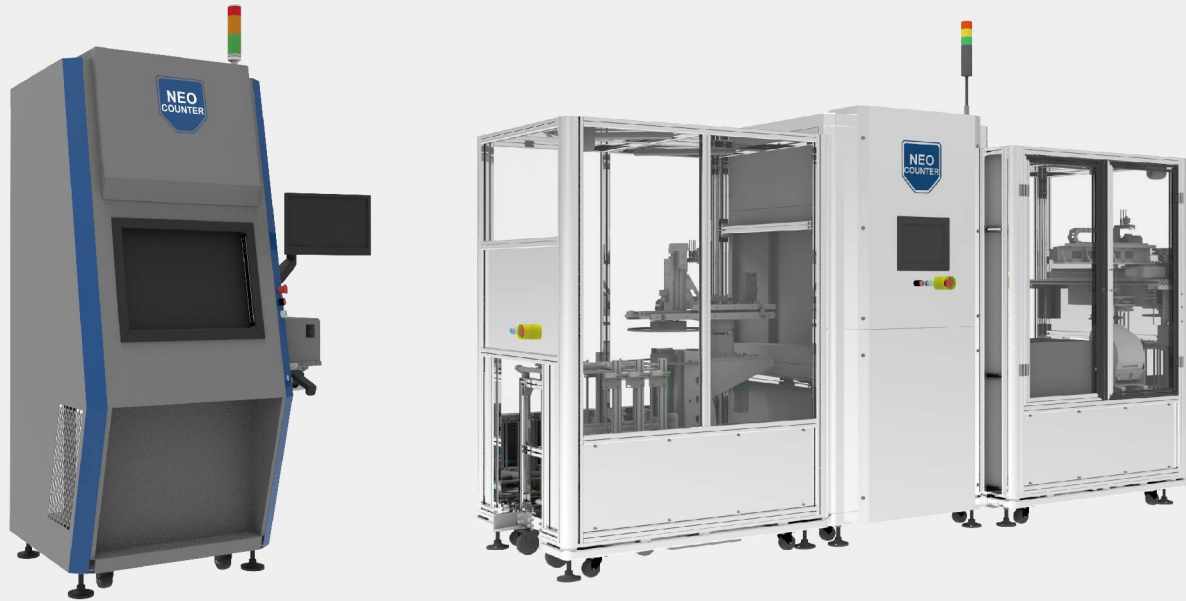


**X400 Offline Counter / X800 Inline Counter**

# **Neo Counter**

NeoX: Neotel Xray Counting Software

# NEO COUNTER



## NEO COUNTER

NEO COUNTER quickly provides accurate inventory information and component quantity to you. It greatly saves labour and inventory processing time for you. To know the accurate quantity used to be time-consuming and labour-intensive with the traditional photoelectric technology-based counter.

## AutoMAT: Automated Material Match Technology

Based on ANNs (Artificial Neural Networks)  
Auto material loading area detection  
Multi objects detection  
Component character recognition

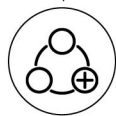
### X400 OFFLINE COUNTER

It adopts a semi-automatic working mode, in which manual material ID scanning, material loading, material unloading, and labelling are required.



### FEATURES

Manual material loading/unloading  
Up to 4 reels counting  
Up to 01005  
AutoMAT technology  
AI-based object detection technology  
Barcode printing template customization  
Connectivity: API interface to communicate with MES/WMS/ERP



### WORKING FLOW

Scan material ID → Load materials → Counting →  
Output results → Unload materials → Print labels

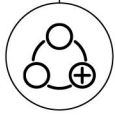
## X800 Inline Counter

It adopts automatic working mode, in which you can have automatic material loading, scanning, counting and material unloading, even work with AGV. It greatly improves inventory management efficiency.



### FEATURES

Batch material receiving and supplying  
AGV ready  
The auto material ID recognition  
Material Sortation  
Min component: 01005  
Label printing



### WORKING FLOW

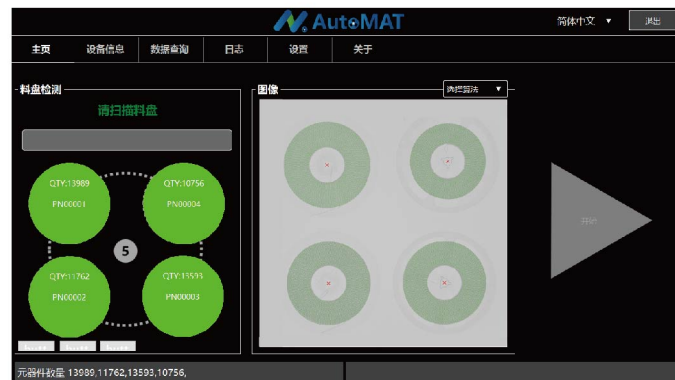
Batch material receiving → Material ID recognition → Material detection → Counting → Sortation → Label Apply



## NEOX: Neotel Xray Counting Software

NeoX software not only helps you with quantity counting but also integrates other functions, including UID generation, traceability, material ID recognition, OCR, etc.

In Industry 4.0 environment, the NeoX system supports a variety of system connection modes to facilitate data synchronization with your main system.



## CONNECTIVITY

Smart Material Flow software provides seamless integration to your existing IT system, ERP/SCM/MES/WMS. Through our advanced Connectivity service users could get real-time inventory information.

Right SMD material, right quantity, the right time is becoming possible!

## TRACEABILITY

High data grain level material is achieved with the help of a traceability module in SMF software. Component Reel ID, the counting image could be stored in the database for future verification.

# TECHNICAL SPECIFICATION

	X400	X800
Machine Type	Offline	Inline
Capacity	Up to 4 reels	20 reels
Xray Source	Close Tube, Micro focal spot	Close Tube, Micro focal spot
Xray Voltage	30~80kV	30~80kV
FOV	427mm×427mm	427mm×427mm
Max Thickness	85mm	85mm
Min. Component Size	01005	01005
Cycle Time	8-10s	8-10s
Accuracy	>99.9%	>99.9%
Controller	Industrial computer	Industrial computer
HMI	10.2-inch HDMI monitor	10.2-inch HDMI monitor
Material ID	Handheld Barcode scanner	Embedded vision system
Loader	Manual	Auto
Unloader	Manual	Auto
AGV	No	Yes
Label printing	Auto	Auto
Connectivity	Yes	Yes
Dimension	980×900×2250mm	8100*2053*2650mm
Weight	550kg	According to final configuration
Power Supply	AC220V, 50/60Hz	AC220V, 50/60Hz
Working Power	1.5KVA	2KVA
Radiation Leakage	< 1uSv	< 1uSv



NEOTEL  
Website

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



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## 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-technology.com](mailto:info@neotel-technology.com)