



X400 OFFLINE COUNTER

Always provides accuracy inventory information to you. It saves labor and inventory processing time for you. To know the accurate quantity used to be time consuming and labor intensive with traditional photo-electric technology based counter. SMART COUNTER changes the way of component counting with the latest X-Ray imaging technology and inventory information can be updated in seconds.

X-RAY beam will pass through component package then AI based algorithm work on the quantity information based on built image.



Technical Specification

Model: X400

Items	Specification	Items	Specification
X-Ray Source			
Type	Close Tube	Current	0.2~0.7mA
Voltage	30~80kV	Size	30~40µm
Detection Panel			
Type	Digital	Pixel	154µm
FOV	427mm*427mm	Resolution	2816*2816
Component			
Type	Reel/Tray/Loose component	Cycle Time	8-10 seconds
Max. Height	85mm	Accuracy	Above 99.9%
Min. Size	01005		
Machine			
Dimension	1000*1300*1920mm	Max. Power	1.5kW
Net Weight	550kg	Industrial PC	i7-6700 CPU, 8G RAM, 240GB SSD
Power Supply	AC220V 50/60HZ	Screen	15.6 inch Touch Screen
Option			
Handheld Barcode Scanner	1d/2d Barcode Scanner Top side mounted barcode scanning system, 1D/2D	Loading Station	Batch material processing/loading station
Barcode Scanning Station	Barcode/OCR recognition	Unloading Station	Batch material processing/unloading station
Barcode Printer	UID barcode printer	Connectivity	API for MES/WMS/ERP
Safety			
Radiation Leakage	Less than 1mSv	Emergency Stop	Yes

Depending on the working environment SMART COUNTER can work as standalone machine or full automated system. User can have automatic material loading, scanning, counting and material unloading, even work with AGV, greatly improves inventory management efficiency.

With NeoX , software deployed by SMART COUNTER it can help you on counting, barcode recognition, UID generator, OCR ,traceability...

In Smart Manufacturing, Industry 4.0 environment , with help of NeoX, SMART COUNTER is not only working as automated counting machine in your working environment ,it can also synchronize information with ERP/MES/WMS, you could always has real time information like material type, counting result, cycle time, and others to be synchronized.

How It Works

- Material Loading: Materials can be loaded manually or with the help of loading station it can be loaded in buffer station before counting process.
- Material ID Recognition: Material ID from different suppliers on your reels varies... with barcode scanning station or even simple handheld barcode scanner it can read and recognize the material ID before quantity information integrated into the new UID.
- Counting: SMART COUNTER quickly gives out the results and it can work as standalone or inline system.
- UID generation/print: NeoX extract the information from incoming material ID then build new UID according to user template, even from MES/WMS.
- Relabel: UID label can be labeled on reels manually or automatically.
- Material Unloading Station: Labeled reels can be stored in the station before distributed to next destination. Material distribution work can be done via AGV.

Key Features

- Capability: up to 01005
- Accuracy: above 99.9%
- Cycle Time: 8-10 seconds
- Imaging Area: 400*400mm (up to 4*7inch reels)
- Add On: Material Loading/Unloading Station/Barcode Scanner Station/Printer
- Connectivity: communication with MES/WMS/ERP

