



AI powered  
Materials Automation

Next Gen  
Storage system

# SMD BOX series

Powered by **SMART MATERIAL FLOW**  
SMT reel, tray, MSD material solution



Neotel Website



## SMD BOX MIMO G3

SMD BOX MIMO can batch process SMT reel materials storage and retrieval operation. Users can load material with the help of a trolley or AGV to SMD BOX. SMT reels can be stored in the stacker to be supplied into the loading port of equipment.

In the production process, whether it is for kitting, material replenishment, users only need to send Reel ID, Part number, even job list, work order, SMD BOX will unload required reels at the right time. The whole operation is automated, even autonomous with the help of SMF software.



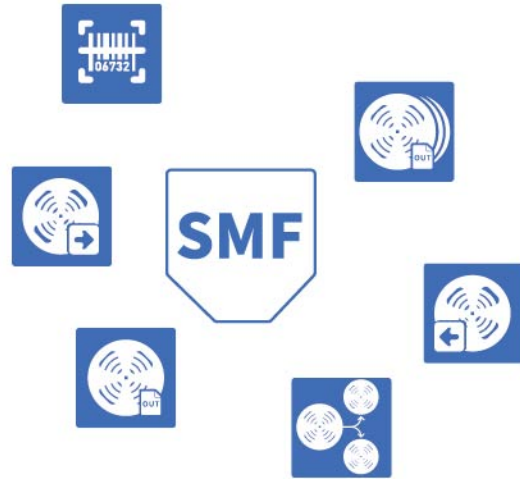
## SMD BOX DUO G2

SMD BOX DUO expand the storing capacity to 2500 reels with the help of dual-module design. It can batch process SMT reel materials storage and retrieval operation. Users can load material with the help of a trolley or AGV to SMD BOX. SMT reels can be stored in the stacker to be supplied into the loading port of equipment.



# POWERED BY SMF

SMF: Smart Material Flow. SMF suite is developed by Neotel Technology to streamline materials control, automation, and management.



## CONNECTIVITY

SMF provides Connectivity module to users who wish to integrate Neotel products into their own IT system. We have varied ways for system integration. API: through predefined communication protocol like API, user IT system: MES/ERP likes can talk to Neotel SMF in a direct way.

## MSD TRACKER

MSD: Moisture sensitive devices. MSD control should be in line with IPC/JEDEC J-STD-020B and IPC/JEDEC J-STD-033C requirements. Without proper treatment of MSD, it will lead to quality failure. SMD BOX series not only provide user with tracking information but also automate material storage and retrieval even with the moisture barrier bag!

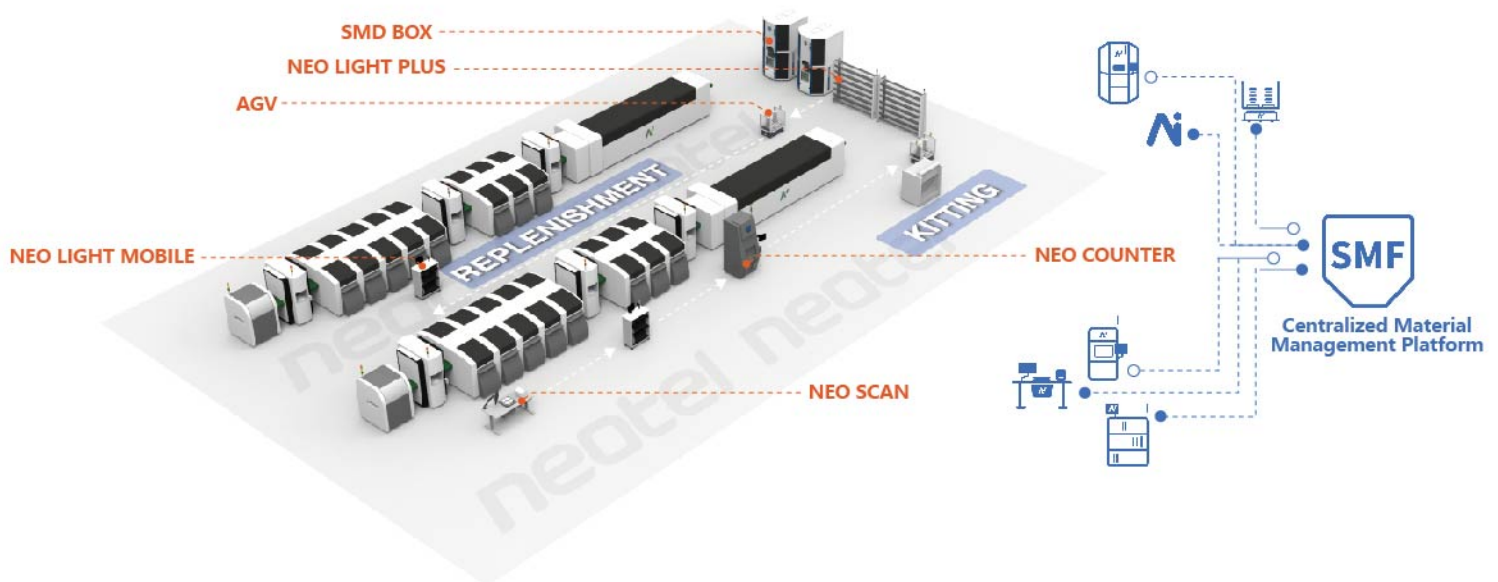
## HOW TO INTEGRATE WITH AGV

AGV: Automated Guided Vehicle. AGV can help SMT manufacture realize unmanned transport operations for SMT reels, PCB, containers. SMD BOX MIMO provides a loading port for AGV connection purpose. AGV can supply or receive a group of SMT reels (in stacker) to/from the port and SMD BOX can then finish all material storage/retrieval automation.



# TECHNICAL SPECIFICATION

|                            | MIMO  | DUO   |
|----------------------------|---|---|
| Max Capacity               | 924   | 2512  |
| Batch Material Process     | Yes   | Yes   |
| AGV Integration            | Yes   | Yes   |
| Material ID Recognition    | 1D/2D   | 1D/2D   |
| Humidity&Temperature Log   | Yes   | Yes   |
| Material Compatibility     | 7-15inch  | 7-15inch  |
| Tray                       | Yes   | Yes   |
| MSD Material               | Yes   | Yes   |
| Network                    | Ethernet  | Ethernet  |
| Equipment Dimensions (LWH) | 1500*1550*2650                                  | 3800*1775*2550                                  |
| Equipment Color            | Jet black (RAL9005)<br>White aluminum (RAL9006) | Jet black (RAL9005)<br>White aluminum (RAL9006) |
| Power Supply               | AC200V-240V                                     | AC200V-240V                                     |
| Power                      | 1.5KVA  | 2.2KVA  |
| Compressed Air             | 6bar  | 6bar  |



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

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