



Powered by **SMART MATERIAL FLOW**

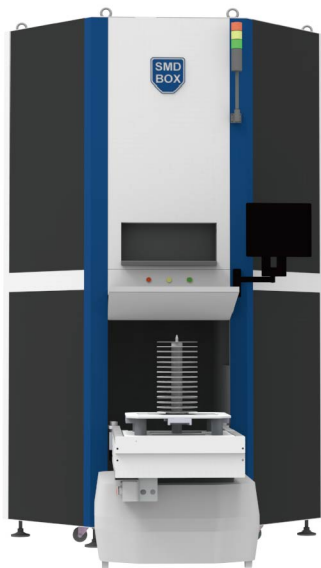
SMD BOX series

SMT reel, tray, MSD material solution

SMD BOX SISO

SMD BOX SISO can automate SMT reel materials storage and retrieval operation. Users just need to put material into SMD BOX SISO. Smart camera system will be triggered and read the material information whether in 1D or 2D and real-time inventory info. Inside robotics arms transfer the materials to the assigned location. Material location will be updated to software.

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 with the help of SMF software.



SMD BOX MIMO

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

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.



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.

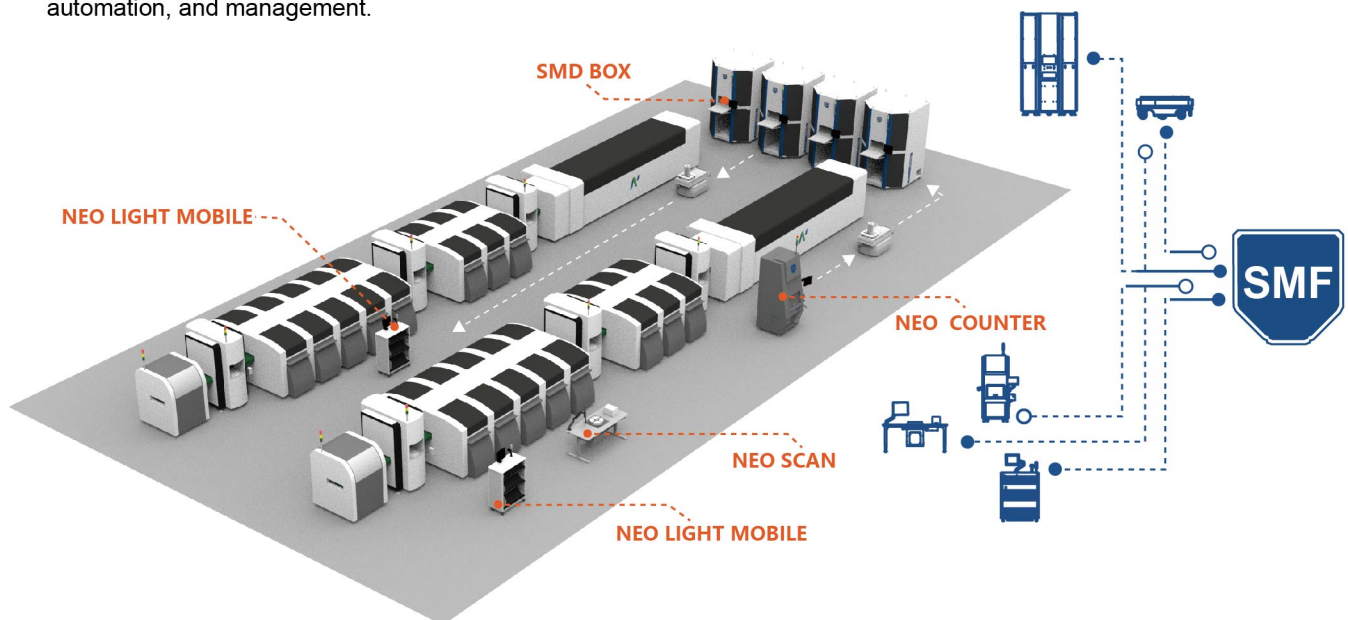


MSD TRACKER

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!

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.

TECHNICAL SPECIFICATION

	SISO	MIMO	DUO
Max Capacity	1064	796	2528
Batch Material Process	No	Yes	Yes
AGV Integration	No	Yes	Yes
Material ID Recognition	1D/2D	1D/2D	1D/2D
Humidity&Temperature Log	Yes	Yes	Yes
Material Compatibility	7-15inch	7-15inch	7-15inch
Tray	Yes	Yes	Yes
MSD Material	Yes	Yes	Yes
Network	Ethernet	Ethernet	Ethernet
Equipment Dimensions (LWH)	1450*1450*2950mm	1650*1650*2650mm	3750*2250*2600mm
Equipment Color	Jet black (RAL9005)	Jet black (RAL9005)	Jet black (RAL9005)
	White aluminum (RAL9006)	White aluminum (RAL9006)	White aluminum (RAL9006)
Power Supply	Single Phase AC200V- AC240V	Single Phase AC200V- AC240V	Single Phase AC200V- AC240V
Power	1.5KVA	1.5KVA	2.5KVA
Compressed Air	No	5-6bar	5-6bar



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