SMD BOX DCS:
High Volume, High Efficiency Solution

DCS: Distributed Control System. The system adopts distributed control to realize the automation and information interaction of multiple SMD BOXs. Our unique design allows each SMD BOX has its own dedicated controller and work autonomously whilst NeoS still governs all information and monitor material flow all the time.

Multiple SMD BOX is connected physically through a conveyor system, pick and place robot, providing sophisticated and automated material handling solution.

System including following parts:

Modular Design SMD BOX:
DCS system uses a standard SMD BOX as the basic module, ensuring the scalability and flexibility.

AMH Module: Automated Material Handler
Realize automatic loading and storage from MTS module, and uploading from SMD BOX to MTS module.

MT Module: Material Transfer
The anti-static designed material transfer system, return, RFID can realize automatic identification of material fixture.

ML Module: Material Link
Integrating with AGV material loading/unloading module, can help users to realize the autonomous material processing.

ITEM	SPECIFICATION
Product	SMD BOX DCS
Type	SMD BOX DCS
Software	NeoS Server
Temperature& Humidity Log	Standard
Humidity Control	<5%
Recognition System	Vision
FOV (mm)	400*400
Barcode Reader	1D/2D
Material Type	7/13/15 inch reel
Max Thickness	72mm
Min Thickness	8mm
Loading	Auto
Storage/Retrieval	Auto
Synchronized Storage &Retrieval	Yes
Process Time (s)	6
P&P Communication	Option
MES Communication	Option
AGV	ML module

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