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SMART

BOARDS HANDLING
MACHINE



Vanstron

electronic assembly & traceability

Center master software

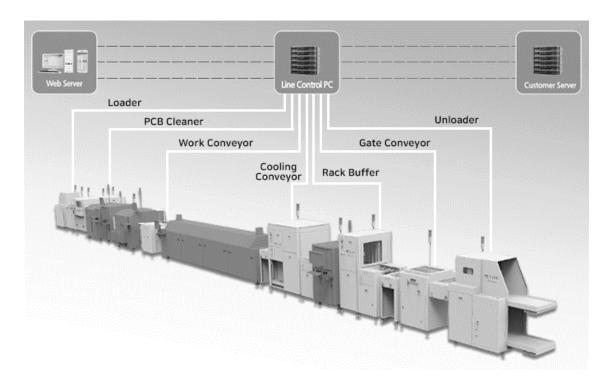
available to link with MES system

and remotely control the equipment stop /start /parameters setting.



Vanstron's Smart Conveyor Systme can build Smart SMT Line. This is a solution that enables an enterprise-wide integrated management and automated production line.

The Vanstron equipment constituting the smart SMT line is connected to the line control PC(A separate computer for central control of the Vanstron facilities) through LAN communication. The customer transfers the PCB information to each Vanstron facility through the line control PC, so that the operator can change the width easily. In addition, it is attracting attention as a next-generation SMT solution that improves the productivity and competitiveness of customers by enabling real-time monitoring of facility status.







What the standard features that the customer will benefit:

1) Automatic width adjustment	When applying the data of the production model, each transport device of Vanstron carries out automatic width control.
2) Real-time status monitoring	Real-time monitoring possible with PC
3) Maintenance Alarm Function (Optional)	If the maintenance period is set to a certain cycle for each equipment, an alarm will ring.
4) 'LogFile' Creation	Production history management and infinite data processing
5) Set access permisiions	The user can edit accessibility to the system





The optional features:

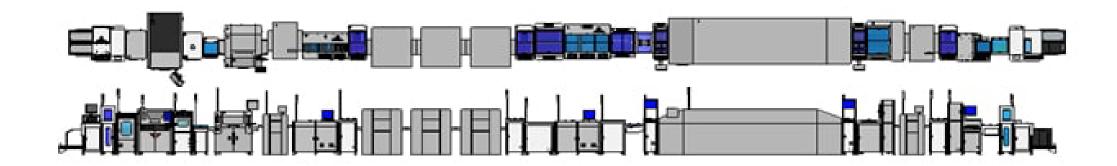
- 1.Interface between the Line Control PC and Customer's server
- The Customer SERVER reads the result value of each transport device of Vanstron's stored in Line Control PC.
- 1.In case of NG Buffer or Unloader, it is possible to trace the board of a specific slot during production
- Serial # required, the factory's main server has to be connected
- 1. Conveyor speed can be set by model
- The machine must be equipped with an electronic speed control controller in advance.
- Ex) Cooling Link in front of/ at rear of reflow oven





APLLICATION EXAMPLES

All equipment of Vanstron's simultaneous width adjustment _ Applied in 'C' company



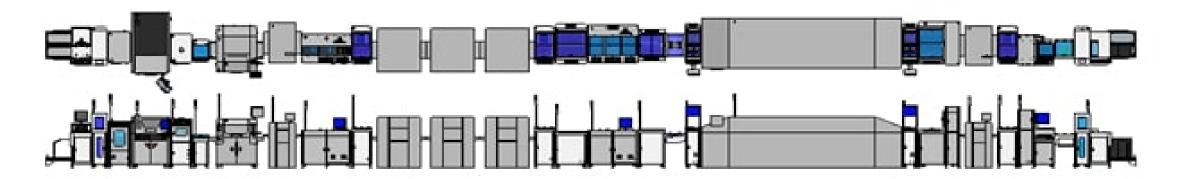
Automatic width control type for next B model production after completion of the work on the model A (After ejecting the magazine rack from the unloader)





Vanstron equipment sequential width control by production model (Cascade) _ Applied in 'M' Company

Mounter Previous Vanstron Device width is 'B' Model | Mounter Next Vanstron Device width is 'A' Model

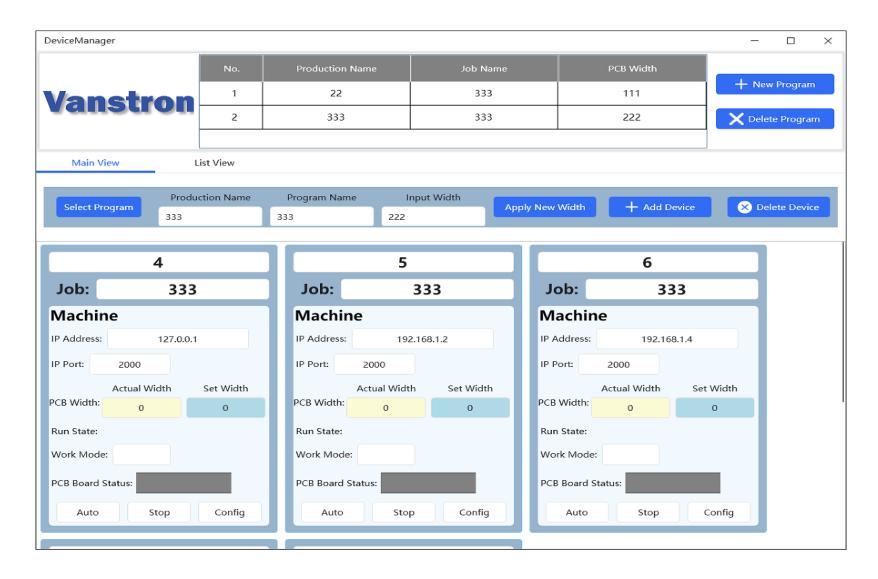


- •When new B model is inserted during A model production, automatic width control is performed sequentially each time new B model enters
- •This is the general recommendation since the model change time is shortened



Software review







Software review

Vanstron electronic assembly & traceability

