

# Tray 1 Pallet 10 Kind

## Flexible supply of cut-tape parts for prototypes and small-lot production!

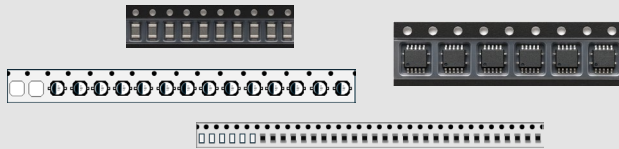
### Problems

#### ■ Work impact of various component delivery formats

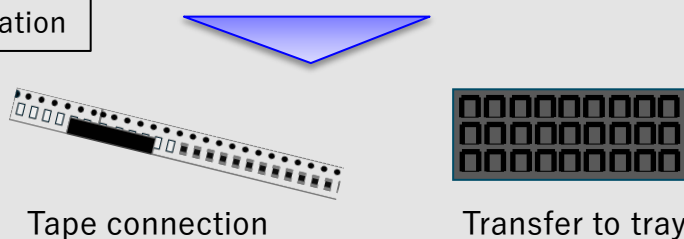
- Deliveries are often in cut-tape form for prototypes and small-lot production.
- Requires different handling compared with regular production.
- Causes not only the hassle of setup/changeover but also impacts productivity and quality.



Delivery



Remediation



Inefficiency

IC lead bending risk

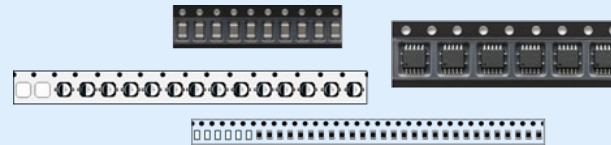
### Effects after license introduction

#### ■ Improving the efficiency of setup work and reducing placement quality risk

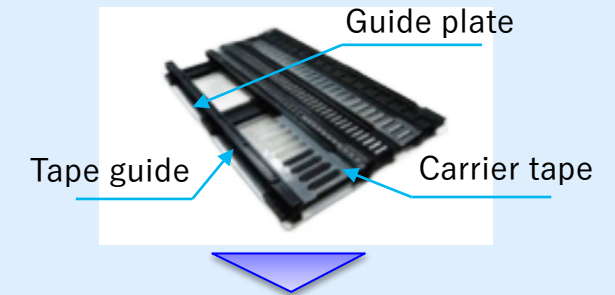
- Supplied directly in dedicated trays in the same form as delivered
- Up to 10 kinds can be consolidated onto a single pallet

Cut-tape components

Paper/embossed tape, tray parts



Carrier tape tray



- Streamline setup operations
- Reduce damage to components during transfers
- Enhance responsiveness to prototypes and small-lot production



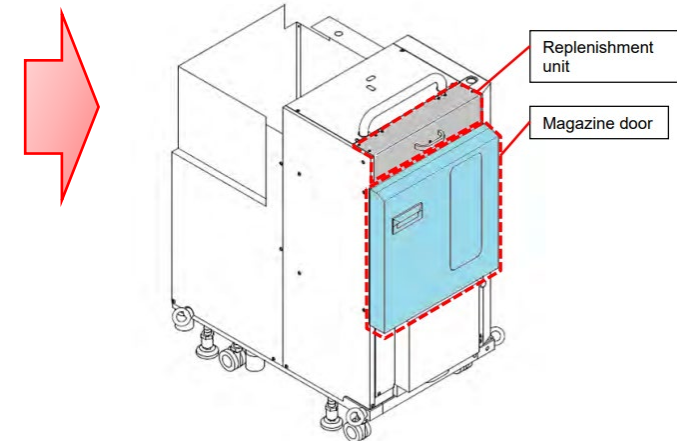
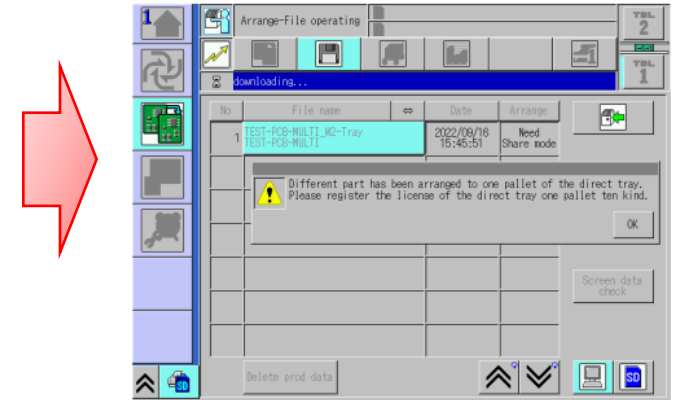
[Example layout of cut-tape components]

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## ■ Precautions for use

1. When you download the data including parts of the multiple products (up to 10 products) on the single tray 1 pallet, download the data from LNB or an SC card reader that is the same way of normal download method. To use this function, registration of the option license is required per machine. If you try to download the data of multiple products without registering the option license, the warning message appears and you are not allowed to download the data.
2. When you arrange parts of the multiple products on the single tray 1 pallet, you cannot set the tray from the replenishment unit. Set the tray from the magazine door.
3. When this function is enabled, the following functions cannot be used in combination with tray function
  - Use of tray supply side
  - Tray parts collation
  - Tray stock automatic replacement
4. This function is not available for lightweight 16-nozzle head V3A configuration.



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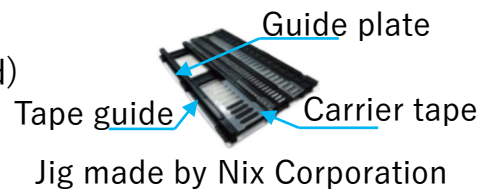
## ■ Precautions for use

5. Tray jig design specification basically conforms to “Tray Conditions” in the “Feeder Carriage Configuration” .
6. You cannot attach this option in some cases; it depends on your jigs or components. For details about whether to be able to attach it, contact us.
7. For further details and precautions, please refer to the instruction manual and the specification sheet.

[Number of Supplies]

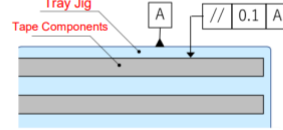
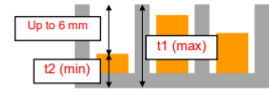
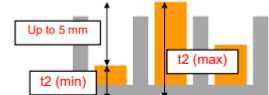
Up to 200 components (according to the tray design standard)

Up to 100 models when using jig made by Nix Corporation



## ■ Tray Jig Design Specification

Tray jig design specification basically conforms to “Tray Conditions” in the “4.3 Feeder Carriage Configuration” section.

| Items            | Descriptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Component Layout | <p>As shown below, put tape components parallel to PCB transfer direction on a jig.<br/>(We recommend that tray jig end face parallelism be 0.1 mm or smaller)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Height           | <p>① When component height in all the components is equal to or lower than tray jig maximum height t1, the following formula about height difference of t1(max) and component minimum height t2(min) should be satisfied.<br/><math>t1 \text{ (max)} - t2 \text{ (min)} \leq 6 \text{ mm}</math></p>  <p>② When there is a component higher than tray jig maximum height t1, the following formula about height difference of component maximum height t2(max) and component minimum height t2(min) should be satisfied.<br/><math>t2 \text{ (max)} - t2 \text{ (min)} \leq 5 \text{ mm}</math></p>  |

## ■ Applicable models

NPM series  
NPM-X series  
NPM-G series  
AM100

## ■ Restrictions

NPM Series: Ver. 10.18.59B or later  
NPM-X Series: Ver. 02.18.19A or later  
NPM-G Series: Ver. 4.21.01  
AM100: Ver. 03.19.03 or later

\* For details, please contact us.