Other functions

■ PCB Height Detection Function

Automatically detects the PCB warp. Parts are placed matching the PCB heigh Possible to place parts with low impact.



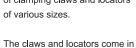
■ Special Nozzles and Mechanical Chucks

Capable of handling parts that are difficult to place using standard nozzles.



Multipurpose Mechanical Chucks

A wide variety of parts can be supported using a combination of clamping claws and locators



various sizes and their positions

can be adjusted.





■ PCB Backup

Auto Backup Pins

Can be positioned anywhere on the backup plate. Pins are automatically positioned, checked and fine-adjusted. This drastically reduces the time required for changeover.



Soft Backup Pins

Absorbs impacts to panels during parts placement.

These can also be used with panels that are difficult to support with standard backup pins.

This provides powerful support for high-density parts mounting.



*Fujitrax : Traceable Realtime Administration (Software)

http://www.fuji.co.jp 🐐

■ Powerful Support for Production with the **Fujitrax System**

- Part verification
- Parts-out warning using remaining parts administration
- Feeder maintenance warnings
- Ability to set alternate feeders to empty slots during production
- Non-stop tray parts supply function
- Panel traceability data acquisition

(requires panel IDs on panels and a panel ID reading device)

	M3 IIc	M6 IIc
Applicable PCB size (LxW)	48 x 48 mm to 250 x 290 mm (double conveyor) Note1 48 x 48 mm to 250 x 380 mm (single conveyor)	48 x 48 mm to 534 x 290 mm (double conveyor) Note1 48 x 48 mm to 534 x 380 mm (single conveyor)
Part types	Up to 20 types of parts (calculated using 8 mm tape)	Up to 45 types of parts (calculated using 8 mm tape)
PCB loading time	For double conveyor: 0 sec (continuous operation) For single conveyor: 2.5 sec (transport between M3 IIc modules), 3.4 sec (transport between M6 IIc modules)	
Placement accuracy (Fiducial mark standard)	V12 / H12HS : ± 0.038 (± 0.050) mm (3σ) cpk≥1.00 Note2 H04S : ± 0.040 mm (3σ) cpk≥1.00 H08 : ± 0.050 mm (3σ) cpk≥1.00 H02 / H01 / G04 : ± 0.030 mm (3σ) cpk≥1.00 GL : ± 0.100 mm (3σ) cpk≥1.00	V12 / H12HS : \pm 0.038(\pm 0.050) mm (3 σ) cpk≥1.00 Note2 H08M / H04S : \pm 0.040 mm (3 σ) cpk≥1.00 H08 / OF : \pm 0.050 mm (3 σ) cpk≥1.00 H02 / H01 / G04 : \pm 0.030 mm (3 σ) cpk≥1.00 GL : \pm 0.100 mm (3 σ) cpk≥1.00
Productivity	V12 : 26,000 cph (V-Advance 27,500 cph) H12HS : 22,500 cph	V12 : 26,000 cph H12HS : 22,500 cph H08M : 13,000 cph H04S : 9,500 cph H08 : 10,500 cph H02 : 5,500 cph H01 : 4,200 cph G04 : 6,800 cph OF : 3,000 cph GL : 16,363 dph(0.22sec / dot)
Supported parts	V12 / H12HS : 0402 to 7.5 mm x 7.5 mm H08M : 0603 to 45 mm x 45 mm H08 : 0402 to 12 mm x 12 mm H04S : 1608 to 38 mm x 38 mm H02 / H01 / OF : 1608 to 74 mm x 74 mm (32 mm x 18 G04 : 0402 to 15 mm x 15 mm	Height: up to 3.0 mm Height: up to 13.0 mm Height: up to 6.5 mm Height: up to 6.5 mm Height: up to 25.4 mm Height: up to 6.5 mm
Module width	320 mm	645 mm
Machine dimensions	4M IIc base L : 1393 mm, W :1441.5 mm 2M IIc	base L : 743 mm, W :1441.5 mm H : 1476 mm

Parts supply s	ystem	
Intelligent feeders	Support for 4, 8, 12, 16, 24, 32, 44, 56, 72, 88, and 104 mm wide tape	
Stick feeders	4≦ Part width ≦15 mm (6≦ Stick width ≦18 mm), 15≦ Part width ≦32 mm (18≦ Stick width ≦36 mm)	
Trays	Support for 135.9 × 322.6 mm (JEDEC standards) (Tray unit-M) and 276 × 330 mm (Tray unit-LT) trays	
Options		
•Tray feeders	•PCU IIc (Pallet Change Unit) •MCU IIc (Module change unit) •Engineering panel stand •FUJI CAMX Adapter •Fujitrax	

FUJI MACHINE MFG. CO., LTD.

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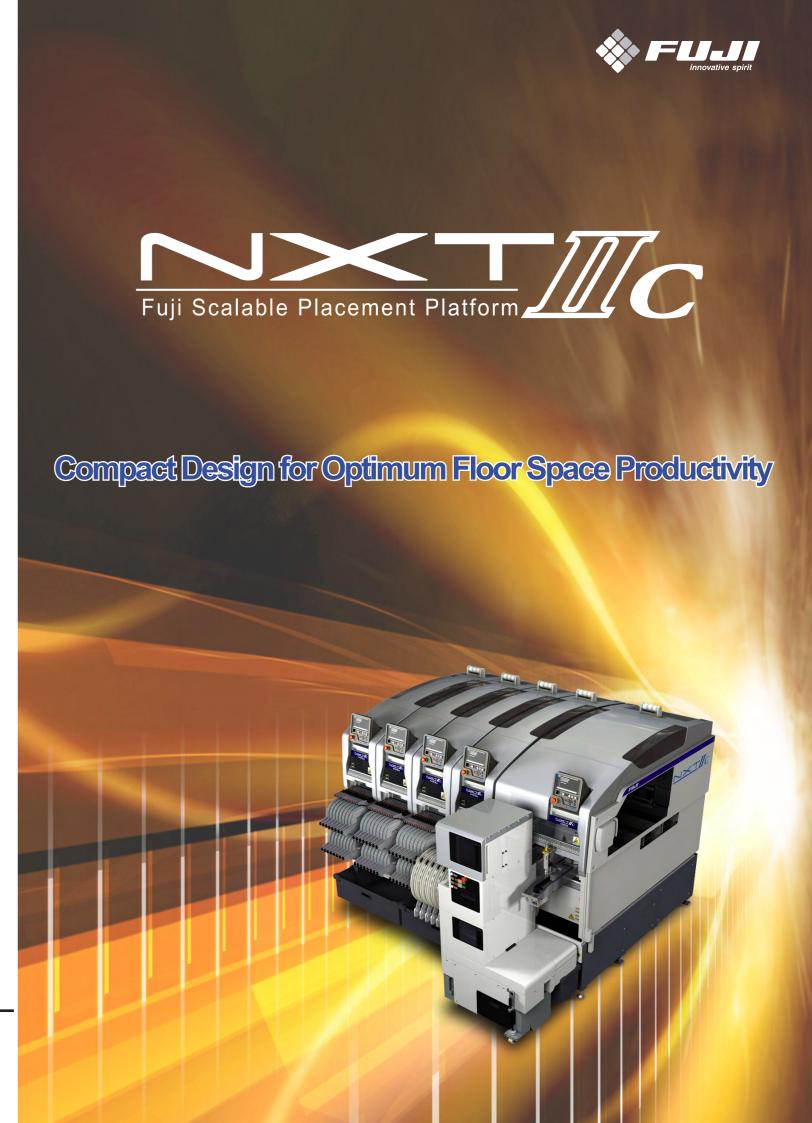
- Tel: +81 566 81 2110 Fax: +81 566 83 1140
- The contents of this catalog are subject to change without notice due to constant product development.

 Refer to the specifications for details.

 Contact Fuji or a Fuji representative before transporting this product to a foreign location within your company or selling it to a third party within your country or a different country.

 The information in this catalog is current as of May, 2011.

Cat.No.NXTIIc/2011.May/E



- Improved floor productivity building on the concept of the NXT II
- \blacksquare Decreased footprint of approximately 25%, which improves area productivity by approximately 40%
- Achieves even greater productivity in combination with the high speed V12 placing head



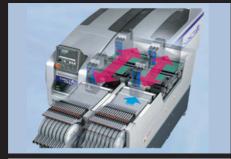
Compact design to improve floor space productivity



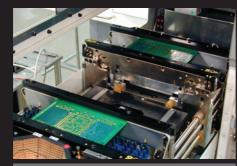
shortened by 485 mm compared to the standard NXT II, resulting in even higher floor space

ap between modules can be as small as 60 mm

(70 mm between bases). This layout makes it possible to fit a larger number of NXT IIc modules



he machine is removed and the feeder pallet is shifted closer to the conveyor (V-advance configuration), which further improves the placing speed of the V12 head. 26,000 cph \rightarrow 2



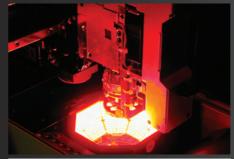
and therefore can easily support high-mix ow-volume production The operation rate can also be improved by educing the loading time.

Maintains high productivity



hip parts to odd-form parts and a glue dispensing

Heads can be quickly exchanged to a type most suited for the production needs after jobs are changed because they can be easily removed and attached without requiring any tools



mera or nozzle centering is performed automatically according to circumstances after heads are exchanged. This action means that high placing accuracy is always maintained.



nterface. Because the operation panel has an intuitive interface, any operator can use the machine. The interface also allows them to learn how to use the machine in a much shorter time



its used with the NXT II can also be used with the NXT IIc to provide an effective means of saving money for NXT II users.

*Some units cannot be used with the NXT IIc.



Shared with the NXT II

nto an even smaller space.

■ Feeder Pallets Feeder pallet with 20 slots for M3 IIc modules

- Bucket type feeder pallet with 20 slots for M3 IIc modules
- Feeder pallet with 45 slots for M6 IIc modules
- Bucket type feeder pallet with 45 slots for M6 IIc modules



Intelligent Feeder

- W04b W08c
- W12c W16c
- W24c W32c
- W72
- W104



Reel Holder

- W4 / 7 Inch
- W8 / 7 13 Inch
- W12 / 7,15 Inch W16 / 15 Inch W24 / 15 Inch
 W32 / 15 Inch
- W44 / 15 Inch
- W56 / 15 Inch W72 / 15 Inch W88 / 15 Inch
- W104 / 15 Inch

NXT IIc only

Nozzle Station

- For V12 / H12HS(Q) / H08(Q) (same for both heads)
- For H08M (4 types)
- For H04S head (4 types)
- For H01 / H02 head (7 types)
- For G04 head (4 types)

Tray Units (Loaded to M6 IIc Modules)

Tray Unit-LT

• For OF head (5 types)

Tray Unit-M



Tray Unit-LTC

1......

■ Placing Head

- V12 / H12HS(Q) (12 nozzles)
- H08M / H08(Q) (8 nozzles)
- H04S (4 nozzles)
- H02 (2 nozzles)
- H01 (1 nozzle)
- G04(Q) (4 nozzles)
- OF head (for placing insertion and odd
- GL head (for dispensing glue)

Module

- M3 IIc



Mark Camera

■ Main Conveyor

- Single Conveyor
- Double Conveyor

■ Module Base

- 4M IIc Base
- 2M IIc Base



• M3 IIc, M6 IIc (Shared unit)

PCU IIc for standard type

feeder pallets (M3 IIc)

• PCU IIc for bucket type feeder pallets (M3 II PCU IIc for standard. feeder pallets (M6 IIc)

 PCU IIc for bucket type feeder pallets (M6 IIc)



Changeover Devices

■ Pallet Change Units (PCU IIc)

Module Change Unit (MCU IIc)

* A unit for changing modules.
One M6 IIc module or two M3 IIc modules can be loaded.

Part Camera

