

Smart Setup Station

Machines	NXT III, NXT IIlc, NXT II, NXT IIc, AIMEX series
Feeders	W04 to W104, Auto Loading Feeder
Feeder pallets ^{*1,2}	DP20, DP45, MFU-65
Unit size (L x W x H)	845 x 430 x 900 mm
Weight	40 kg ^{*3}
Power supply	Single phase AC100 to 240 V

^{*1} It is necessary to modify feeder pallets and MFUs.

^{*2} Feeder pallets (DP20, DP45) are set on a PCU or PSU when being used.

^{*3} Computer is not included.



VPDplus & Auto Shape Generator

Camera stand size (L x W x H)	305 x 546 x 772 mm
Weight	27 kg (camera unit 5.2 kg ^{*1})
Power supply	Single phase AC100 to 240 V

^{*1} The weight depends on the camera type.



Auto Splicing Unit

Tape types	8 mm paper tape
Part size	0402 (01005") to 3216 (1206")
Splicing tape	Fuji splicing tape (reel type, 1,200 pieces per reel)
Cycle time	5.6 seconds
Unit size ^{*1} (L x W x H)	450 x 450 x 998 mm
Weight	26kg ^{*2}
Power supply	Single phase AC 100 to 240V or DC 24V (battery) ^{*3}

^{*1} Monitor is not included.

^{*2} Cart and battery included.

^{*3} Battery units are available as an option.



Auto Head Cleaner

Heads	H24S, H24G, H24, DX(R12, R4) ^{*1} , V12, H12HS(Q), H12S(Q), H12, H08(Q), H08M(Q), H04SF, H04S, H04
Cleaning period	Air mode: Every month (Every 700 hours) Oil mode: Every three months (every 2,100 hours)
Cleaning time ^{*2}	Air mode: 8 minutes Oil mode: 21 minutes
Cleaning fluid	Fluorinated grease
Unit size (L x W x H)	350 x 650 x 1,410 mm
Weight	110 kg
Power supply	3-phase AC 200 to 230 V
Air supply	0.4 MPa
Air consumption	Cleaning: 41 L/min (ANR) Collection blowing: 134 L/min (ANR)

^{*1} To support this by Auto Head Cleaner (serial number 623 or earlier), modifications are required.

^{*2} The time for when cleaning and inspecting a 12 nozzle head.



Smart Nozzle Cleaner

Nozzles ^{*1}	RH28, RH20, RH08, H24S, H24A, H24G, H24, V12, H12HS(Q), H08(Q), H08M, DX(R4), G04 standard nozzles
Cleaning fluid	Ultra-pure water or VIGON SC 200 mixed water
Cleaning time (cleaning + inspection)	App. 24 minutes (RH20, V12, H12HS(Q), H08(Q): 40 nozzles) App. 28 minutes (RH08: 20 nozzles) App. 20 minutes (H08M, DX(R4), G04: 9 nozzles)
Unit size (L x W x H)	455 x 1,000 x 1,420 mm
Weight	240 kg
Power supply	3-phase AC 200 to 240 V
Air supply	0.35 to 0.5 MPa
Air consumption	46 L/min (ANR)

^{*1} RH28, RH20, RH08, H08M, DX(R4) and G04 nozzles are supported as an option.
Requires a Smart Nozzle Cleaner with the option for supporting extended nozzle types.



Auto Feeder Maintenance Unit ^{*1}

Feeders	W08f, W08c, W08b, W08
Capacity for concurrent maintenance	1 feeder
Cycle time ^{*2}	W08f, W08c, W08b: 200 seconds W08: 220 seconds
Unit size (L x W x H)	360 x 820 x 1,190 mm
Weight	120 kg
Power supply	3-phase AC 200 to 240 V
Air supply	0.5 MPa
Air consumption	120 L/min (ANR)

^{*1} A computer for operation or displaying inspection result processing is required.

^{*2} Excludes the time to remove and attach the feeder covers.



Automation and Labor Saving Tools

Units which allow anyone to easily and quickly do the tasks performed by operators every day



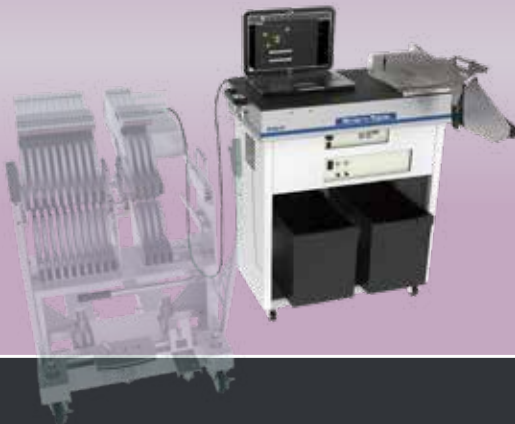
Fuji automation and labor saving solutions

Combine the host system with automation units for across-the-board improvement of Quality, Cost, and Delivery (QCD).

Smart setup station

Links with Nexim and supports offline changeover

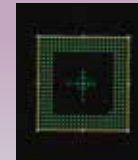
- ▶ Batch reel rewinding
- ▶ Efficient part verification and feeder setup on feeder pallets
- ▶ Guidance for where to set feeder pallets



VPDplus and Auto Shape Generator

Create reliable part data in just 3 steps

- ▶ Automatically creates part data based on imported images
- ▶ Vision processing tests can be performed offline with the same conditions as the machine



Materials preparation

Reduce preparation time with timely guidance and accurate work

Reduce checking and prevent loading mistakes by issuing notices about which parts are required, their location, and where they are to be loaded.



Part supply

No need to monitor remaining part quantities manually

Prevents machine stops due to parts outs by issuing guidance for slots nearly out of parts.
(Option)



Auto Splicing Unit

Easy reliable splicing by anyone

- ▶ Just insert the tapes into the unit to splice without any empty cavities
- ▶ Balance work time and improve quality by automating work
- ▶ Eradicates small stoppages due to splicing defects
- ▶ Eliminates splicing mistakes for old and new parts through verification (option)



Work time

45 seconds reduced to 5 seconds



Set tapes



Auto splicing



Complete

Eliminate all delays by linking tools to the system

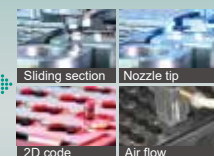
Smart Nozzle Cleaner

Automates nozzle cleaning, inspection, and setting

- ▶ Inspection items
2D code reading, air flow, nozzle sliding movement, nozzle tip damage
- ▶ Defective nozzles are sorted by problem cause and ejected
- ▶ Nozzles can be automatically set from the storage section of the unit based on the next production program
- ▶ Automatically registers in the system when nozzles are maintained



Cleaning



Inspection



Sets nozzles for next production



Maintenance

Maintain highly efficient production with predictive maintenance and ideal maintenance

- ▶ Manages heads, nozzles, and feeders with individual IDs
- ▶ Gives warnings for units requiring maintenance based on various conditions (error rate, error count)
- ▶ Units that have not been maintained are not allowed to be used in production



Auto Head Cleaner

Easy maintenance that doesn't require training

- ▶ Completely automates cleaning, oil application, and operation checks for air channels inside heads
- ▶ Automatically recognizes the ID of the set head
- ▶ Automatically registers inspection results and maintenance history to the system

Cleaning time for 12 nozzles

41 minutes reduced to 8 minutes



Auto Feeder Maintenance Unit

Maintains and inspects feeders in just 2 minutes

- ▶ Removes old grease and other foreign matter from gears and then applies new grease
- ▶ After cleaning and lubrication, automatically measures the indexing pitch
- ▶ Automatically reads the ID of feeders when they are set and registers the maintenance history in the system



Automatic reading of the ID of the feeder



Cleaning and lubrication



Indexing position inspection

