



株式会社 ニックス

Nothing to Something... 『無から有を生み出す創造力』

Japanese

NIX,INC.

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magazines racks

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Smooth-Width adjustment using our patented rack & pinion system

ESD Safe plastic card guides, 50 slots

Heat-registant card guides for board temperatures up to 275 °F (135 °C)

Compatible with all brands of equipment

Our magazine racks are familiar support brand products in the mounting industry, and they enable PCB width adjustment in as little as five seconds. NIX also develops special products that are compatible with changes in mount boards. We are committed to creating products that continually meet the needs of our customers for clean and high quality peripheral equipment.



SUPER NIKKO-RACK Series

Super Nikko-Rack
Options



Special Rack Series

Combination rack
Tray rack
Heat-Resistant Rack
Screen Rack



NK Cert Series

Quick-Width Adjustment
Type
Screw-Bolt Adjustment
Type
Double Adjustment Type



SMT-related products

Carrier tape tray
ESD Safe and Clean
Room Compatible
Tweezers



Carrier Rack Series

Carrier 21
HIC Rack
Low-Height Type
Magazine
CRE8 Magazine

SUPER NIKKO-RACK Series Super Nikko-Rack

Highest efficiency, highest performance, and highest quality magazine in the industry.

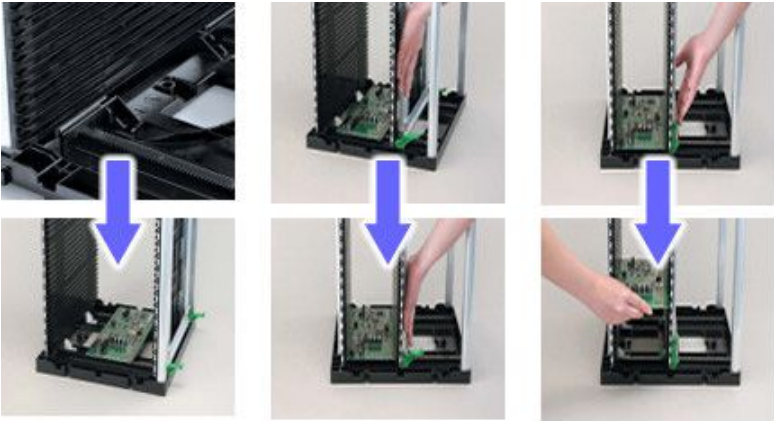


Quickest width adjustment. Quick-width adjustment enables adjustment in just five seconds. (Rack and pinion AJ slope)
Plastic base. 30% stronger than conventional models.
Lead-free process compatible. Cardguide construction and plastic that withstands PCBs after reflow (135°C/165°C).
Faster assembly. Simplified unit shipping and assembly enables 70% faster turnaround compared to conventional models.
Reversible type. (T-type cannot be reversed.)

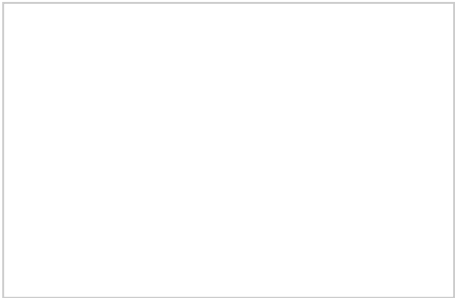
Options

- Spring-type stopper bars
- Numbering labels
- 400-mm length cardguide (longer than base length)
- 4-guide channel specification

PCB quick width adjustment in five seconds (patented)



- 1 Place the PCB on the center of the base.
- 2 Slide the movable side towards the PCB until it cannot slide any further.
- 3 Lock all four levers and remove the PCB. The PCB will now slide smoothly into each rail with 1mm clearance.



Specification (mm)

Model No.	Max. Tolerant Temperature for Cardguide	Outer Dimensions			Adjustable Width	Base Material	Ref.Position		Pitch P	PCB Slots	Weight (kg)	Size	Type
		L	W	H			A	B					
N25	60°C	355	320	563	50~250	Plastic	34	34	10	50	4	M	Reversible
R25	135°C	355	320	563	50~250	Plastic	34	34	10	50	4		
SR25	165°C	355	320	563	50~250	Plastic	34	34	10	50	4		
T25	135°C	355	320	581	50~250	Plastic	35	35	10	50	4.1		Stackable

* All standard models are shipped partially assembled. Complete assembly is optional.
* All specifications are subject to change without notice.

Super Nikko-Rack Series: Options: Anti-dust Base Cover

We have answered our customers' requests for dust control measures of PCBs in the magazine.

Base cover (Whole Base type)



Complete top cover that is simply placed atop the magazine

Magazine slip-prevention mechanism enables stacking (of two magazines)

Base cover (Hole-block type)



Automatic feeders can be used with the base cover attached. (Be sure to check the present condition of the equipment being used.)

Rack width can be adjusted with the base cover attached.

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NK Cert Series: Quick-Width Adjustment Type

Magazine rack with exceptional accuracy for high quality. Enables easy and accurate width adjustment.

Continuous parallel movement system (rack and pinion) for width adjustment in just five seconds.

Cardguide construction that can handle heated PCBs after reflow enables two types of magazine racks (135°C and 165°C types).

Note: These withstand temperatures do not apply to the entire magazine rack. Magazines should not be placed in the oven.

Compatible with standard specifications of SMT equipment manufacturers.

Note: Be sure to check your specifications upon ordering.

Quick-width adjustment and lightest magazine in the industry. Unparalleled delivery performance with superior accuracy and quality without distortion.

Standard equipped with one-touch AJ slope.

Options

Four guide channels (supports) (S and M size). Standard equipped for L and large sizes.

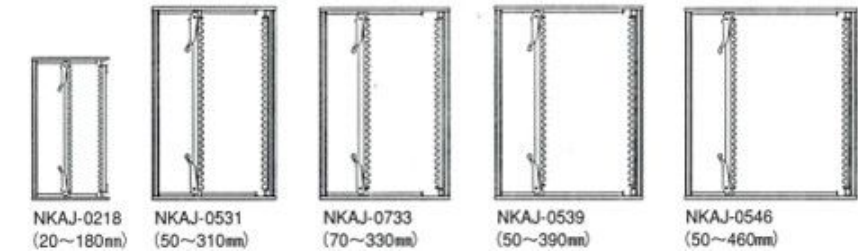
Spring-type stopper bars

Numbering labels (Please contact us when ordering, as some products cannot be equipped with numbering labels.)

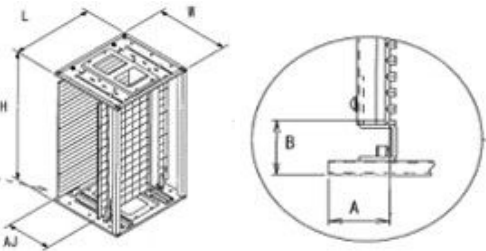


Size S	Size S	Size L	Size XL
NKAJ-0211N•G	NKAJ-0218R•G	NKAJ-0531R•G	NKAJ-0546R•G

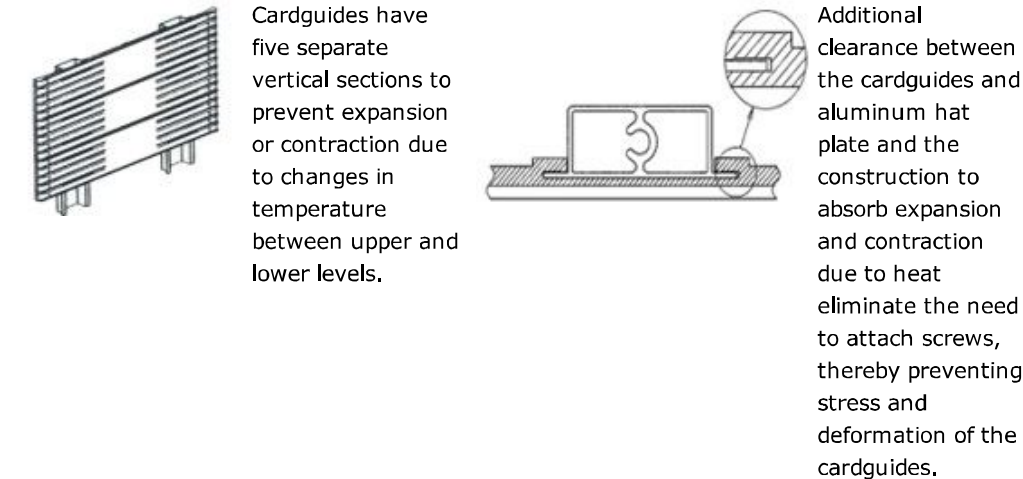
Able to accommodate PCB widths from 20 mm to 460 mm.



Magazine rack dimensions (mm)



Patented Nikko-Rack cardguides



Specifications (mm)

Model No.	Max. Tolerant Temperature for Cardguide	Outer Dimensions			Adjustable Width	Base Material	Ref.Position		Pitch P	PCB Slots	Weight (kg)	Size
		L	W	H			A	B				
NKAJ-0211N•G	60°C	160	160	395	20~110	Metal	22.5	34	8	40	1.9	S
NKAJ-0211R-AL	135°C	260	165	270	20~110	Metal	20	34	4	50	1.6	
NKAJ-0218R•G	135°C	210	230	315	20~180	Metal	22	34	5	50	1.7	
NKAJ-0531R•G	135°C	535	380	570	50~310	Metal	34	41	10	50	9.4	L
NKAJ-0531SR•G	165°C	535	380	570	50~310	Metal	34	41	10	50	9.4	
NKAJ-0531RE•G	120°C	535	380	570	50~310	Metal	34	41	12.5	40	11.4	
NKAJ-0531R34*34•G	135°C	535	380	563	50~310	Metal	34	34	10	50	9.4	
NKAJ-0531SR34*34•G	165°C	535	380	563	50~310	Metal	34	34	10	50	9.4	
NKAJ-0733N•G	60°C	460	400	565	70~330	Metal	35	35	10	50	8.8	YL
NKAJ-0733R•G	135°C	460	400	565	70~330	Metal	35	35	10	50	8.8	
NKAJ-0733SR•G	165°C	460	400	565	70~330	Metal	35	35	10	50	8.8	

G												
NKAJ-0733N34*34•G	60°C	460	400	563	70~330	Metal	34	34	10	50	8.8	
NKAJ-0733R34*34•G	135°C	460	400	563	70~330	Metal	34	34	10	50	8.8	
NKAJ-0733SR34*34•G	165°C	460	400	563	70~330	Metal	34	34	10	50	8.8	
NKAJ-0539R•G	135°C	535	460	570	50~390	Metal	34	41	10	50	10.5	LL
NKAJ-0539SR•G	165°C	535	460	570	50~390	Metal	34	41	10	50	10.5	
NKAJ-0539R34*34•G	135°C	535	460	563	50~390	Metal	34	34	10	50	10.5	
NKAJ-0539SR34*34•G	165°C	535	460	563	50~390	Metal	34	34	10	50	10.5	
NKAJ-0546R•G	135°C	535	530	563	50~460	Metal	34	34	10	50	12.3	XL
NKAJ-0546SR•G	165°C	535	530	563	50~460	Metal	34	34	10	50	12.3	
NKAJ-0531R-G400	135°C	400	380	563	50~310	Metal	34	34	10	50	7.7	
NKAJ-0733R-G400	135°C	400	400	563	70~330	Metal	34	34	10	50	7.8	

Note: G400 is equipped with cardguides that support 400-mm length PCBs.

* All standard models are shipped partially assembled. Complete assembly is optional.

* All specifications are subject to change without notice.

* Contact us for changes to the reference position.

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NK Cert Series: Screw-Bolt Adjustment Type

Magazine rack with exceptional accuracy for high quality.

Lightest in the industry. (NKAJ-0525N3•G weighs only 3.7 kg.)

Cardguide construction that can handle heated PCBs after reflow enables two types of magazine racks (135°C and 165°C types).

Note: These withstand temperatures do not apply to the entire magazine rack. Magazines should not be placed in the oven.

Compatible with standard specifications of SMT equipment manufacturers.

Note: Be sure to check your specifications upon ordering.

Unparalleled delivery performance with superior accuracy and quality without distortion.

Options

Four guide channels (supports)

Spring-type stopper bars

Numbering labels

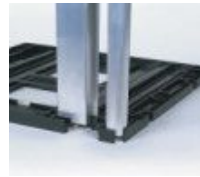
4-guide channel specification



Economical type
best suited for fixed
PCB width.



Sturdy design. Guide
channels fit securely
into the base.



Easily transported at
only 3.7 kg.



Specifications (mm)

Model No.	Max. Tolerant Temperature for Cardguide	Outer Dimensions			Adjustable Width	Base Material	Ref.Position		Pitch P	PCB Slots	Weight (kg)	Size
		L	W	H			A	B				
NKAJ-0525N3-G	60°C	355	320	563	50~255	Plastic	34	34	10	50	3.7	M
NKAJ-0525R3-G	135°C	355	320	563	50~255	Plastic	34	34	10	50	3.8	
NKAJ-0525SR3-G	165°C	355	320	563	50~255	Plastic	34	34	10	50	3.8	

* All standard models are shipped partially assembled. Complete assembly is optional.

* All specifications are subject to change without notice..

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NK Cert Series: Double Adjustment Type

Center stopper is used to accommodate up to 200 PCBs (for widths from 30 to 100 mm).

Compatible with M-size loaders and unloaders.

Same reference position for both top and bottom corners. (Can be used upside down.)

Cardguide construction that can handle heated PCBs after reflow enables two types of magazine racks (135°C and 165°C types).

Note: These withstand temperatures do not apply to the entire magazine rack. Magazines should not be placed in the oven.

Compatible with standard specifications of SMT equipment manufacturers.

Note: Be sure to check your specifications upon ordering.

Unparalleled delivery performance with superior accuracy and quality without distortion.

Equipped with four guide channels.

Options

Spring-type stopper bars

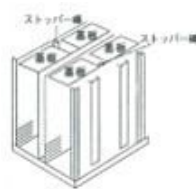
Numbering labels



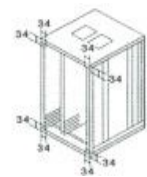
A center stopper bar can be attached.



Reference position diagram



Store 50 PCBs on one side for up to 200 on four sides.



Specifications (mm)

Model No.	Max. Tolerant Temperature for Cardguide	Outer Dimensions			Adjustable Width	Base Material	Ref.Position		Pitch P	PCB Slots	Weight (kg)	Size
		L	W	H			A	B				
NKAJ-0310N3-WG	60℃	355	320	563	30~100	Plastic	34	34	10	100	6.4	M
NKAJ-0310R3-WG	135℃	355	320	563	30~100	Plastic	34	34	10	100	6.6	
NKAJ-0310SR3-WG	165℃	355	320	563	30~100	Plastic	34	34	10	100	6.6	

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Carrier Rack Series: Carrier 21

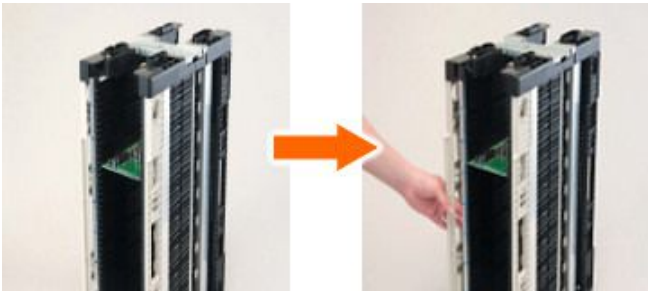
Protects and secures PCBs during transportation.
Available in two models: ST and AJ.

ST model



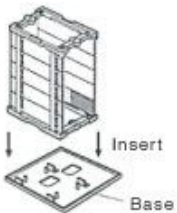
AJ model

With the numbering labels (optional) on the one-touch stopper, PCB placement is quick and easy during inspection and storage.



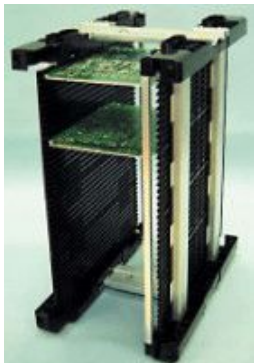
Use the dedicated base for loading to a loader and unloading from an unloader. Enables lightweight and compact transportation and storage. (ST model only)

Instruction for optional base attachment.
Can be used with Loader/Unloaders with optional bases(optional)
*Requires special loaders.



Options

Spring-type center stopper. Holds up to 80 PCBs with a



Stackable vertically
or horizontally



maximum length of 170 mm. (Compatible only with ST and AJ models)
Customize the number of PCB slots: 20, 30, 50, 60, or 70. (Compatible only with AJ model)

Quick width adjustment system

Slide a PCB into the clearance slot next to the base.



Tighten the screws while the PCB is in the clearance slot.



The PCB will now slide smoothly into the cardguide with 1 mm of clearance.



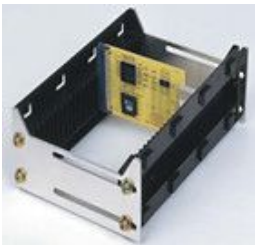
Specifications (mm)

Type	Model No.	Max. Tolerant Temperature for Cardguide	Outer Dimensions			Adjustable Width	Base Material	Pitch P	PCB Slots	Weight (kg)	Size
			L	W	H						
ST Model	ST-0512	60°C or 135°C	400	127 ~ 196	484.5	50~120	Plastic	10	45	3.7	M
	ST-1225	60°C or 135°C	400	196 ~ 326	484.5	120~250	Plastic	10	45	3.7	
AJ Model	AJ2-0512	60°C or 135°C	400	127 ~ 196	486	50~120	Plastic	10	40	3.8	M
	AJ2-1225	60°C or 135°C	400	196 ~ 326	486	120~250	Plastic	10	40	4	

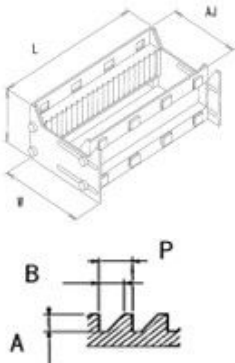
* All standard models are shipped partially assembled. Complete assembly is optional.
* All specifications are subject to change without notice.

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Carrier Rack Series: HIC Rack



For transportation and storage of molded hybrid ICs.
Designed to protect exposed leads.
Saves space by storing small boards vertically.
Cardguides are made of nylon and side plates are aluminum.
Width can be customized.
Freon alternative cleaning solution (Asahi Glass AK-225) can be used.



Specifications (mm)

Model No.	Adjustable Width	Outer Dimensions			Card Guide Dimensions		
		L	W	H	A	B	P
HIC-0207-A-S	20~70	164	99.2	55	3	5	6

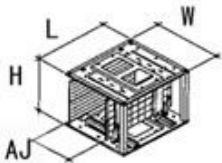
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Carrier Rack Series: Low-Height Type Magazine

Compatible with all standard NK Cert Series products. Height available at 263, 363, and 463 mm.



Because a cardguide's height is in increments of 100 mm, this magazine can be specified in 100-mm increments.
Lightweight and can accommodate storage needs (in 10 slot increments).
Available for both quick-width adjustment and screw-bolt adjustment types.



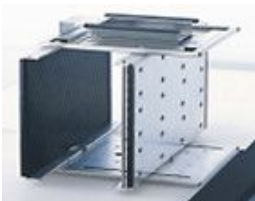
Specifications (mm)

Model No.	Adjustable Width	Outer Dimensions			Pitch
		L	W	H	
R25-L4	50~255	355	320	263	10

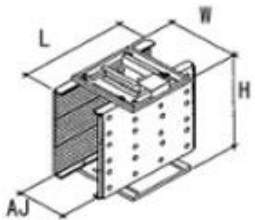
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Carrier Rack Series: CRE8 Magazine

A magazine that combines plastic cardguides and aluminum plates for lighter weight and better economic efficiency.



Same basic dimensions of all-metal magazines and compatible with automatic feeders.
Comes with a handle. Cannot be used upside down.
Also available with attachable sensors.



Specifications (mm)

Model No.	Adjustable Width	Outer Dimensions			Pitch
		L	W	H	
NKLN-0514R-AL	50~140	255	165	255.5	4

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Special Rack Series: Combination Rack

Ideal for transportation from moulder to inspection or assembly. Also saves space in storage.



Supports compact PCBs.
Compatible with existing M-size unloaders and enables PCB storage.
Saves space for factory storage.
Lightweight for transportation.
Use two 20-PCBs storage racks.

Specifications (mm)

Model No.	Outer Dimensions			PCB Slots	Ref. Position
	L	W	H		
NKC-0525	355	320	563	-	-
NKC-0715R	355	187.6	245	20	34×34

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Special Rack Series: Tray Rack

Ideal for storing trays for electronic parts.



Can also store trays for tray feeders from various SMT manufacturers.
Cardguide material is resistant to shaving.
Stackable

Specifications (mm)

Model No.	Outer Dimensions			Pitch P	PCB Slots	Work size
	L	W)	H			
NKFX-0260RC-L6×2	382	310	315	12	20	260×360

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Special Rack Series: Heat-Resistant Rack

All-metal magazine. Cardguides are aluminum or pressed stainless steel. Same specifications as the 0525 Series. Safe for oven and burn-in process.



PCBs can be placed in the magazine directly from the reflow oven without cooling down.

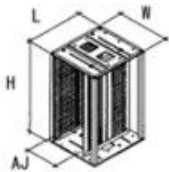
Same size and reference position as the 0525 Series. Can be used with loaders and unloaders.

Space designed between cardguide slots to provide ventilation, thereby allowing consistent heat distribution. Ideal for high temperature ovens.

Width adjustment of screw-bolt width adjustment type.

0531, 0539, and 0546 sizes also available.

Specifications (mm)					
Model No.	Adjustable Width	Outer Dimensions			PCB Slots
		L	W	H	
NKLH-0525AL	50~250	355	320	562	50
NKLH-0525SU	50~250	355	320	562	50



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Special Rack Series: Screen Rack

Accommodates vertical storage of frames for various screen printing.



Pressed aluminum frame specifications for lighter weight and lower cost.

Magazine size can be easily custom-designed.

Uses plastic cardguides to protect plates from damage and abrasion.

Protects the screen from dust and prevents warping.

Cover and door installation option available. Stackable.

Model No.	Outer Dimensions			Work size
	L	W	H	
NSBF-5565V10	730	630	625	500×650×30

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SMT-related Products: Carrier Tape Tray

Enables mounting of small lots of components.



This tray is ideal for prototype and small-lot production of small lots of carrier tape and emboss tape.

Designed to handle different widths of carrier tape and emboss tape. Equipped with quick width adjustment mechanism.

NCAJ-SP	
Outer Dimensions	230(W)×335(D)×20mm(H)mm
Tape Guide	5
Component Height	Maximum 10mm
Option	Parallel pin

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SMT-related Products: ESD Safe and Clean Room Compatible Tweezers



Tweezer tips are made of original material (NIXAM®240).
Tweezers are gentle on objects, friction-free, and lightweight.
Tweezer pressure adjustable.
Safe to use in clean room. (Comes in clean room safe packaging.)
Tweezer tip accuracy:
±0.1 mm (forward/backward), ±0.2 mm (right/left)

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