PCB MAGAZINES

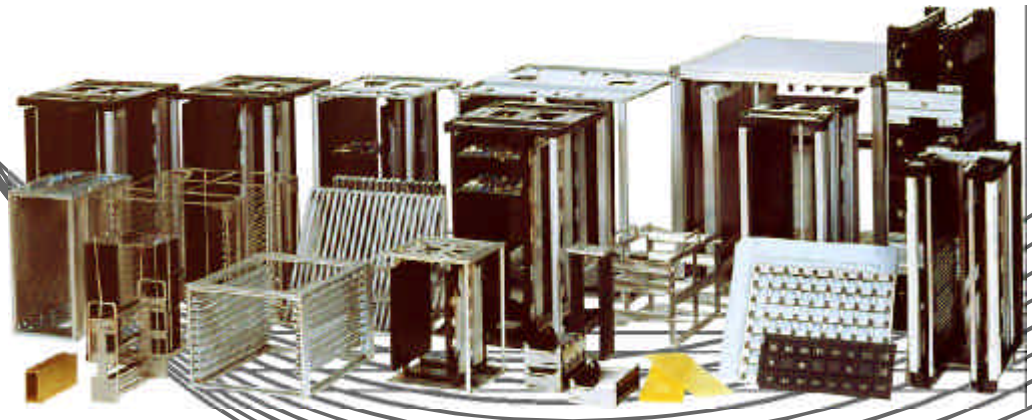
NIKKO™

RUBRÖDER

RUBRÖDER GMBH

FACTORY AUTOMATION





PCB HANDLING

NIKKO™ PCB Magazine Racks

1 NIKKO-Racks with “One-Touch” adjustment

NIKKO-Racks for handling PCBs

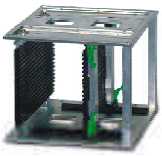


NKAJ-0525N2

Adjustment within a few seconds



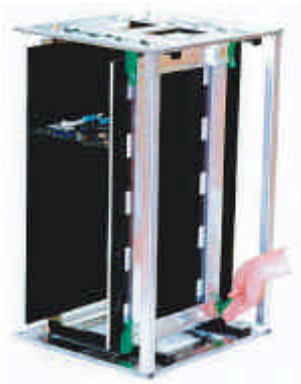
Release the lock levers



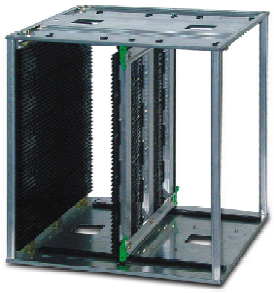
NKAK0525R-20



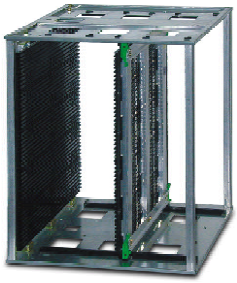
Set the width



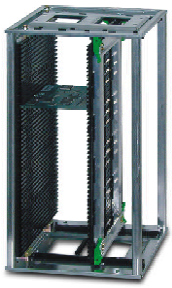
Lock the levers



NKAJ-0546R



NKAJ-0539R



NKAJ-0525N

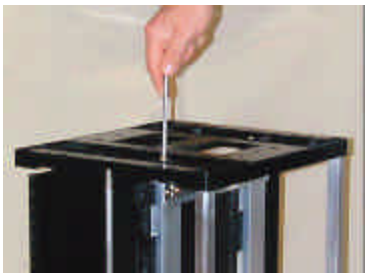
Main feature of the NIKKO-RACKs™ with “One -Touch” parallel adjustment is the patented “rack & pinion assembly” which ensures quick and smooth adjustment of its width. The racks´ versatility has gained great acceptance for loading and unloading PCBs in automatic test, placement, inspection and soldering lines. The racks can be width adjusted within a few seconds, thus increasing the efficiency of the set up procedure. Fixed and movable side walls are automatically kept 100 % parallel, always. Many sizes are available to suit your needs.

Model No.	Max. temperature for slot cards	Max. temp. other plastic parts	Outer dimensions in mm			Adjustable width	Base	Reference position		Pitch P	PCB slots	Weight	Size
			L	B	H	J		C	D				
NKAJ-0211N	60°C	60°C	160	160	395	20~110	Metal	22,5	34	8	40	2,3	S
NKAJ-0211R-AL	135°C	60°C	260	165	270	20~110	Metal	20	34	4	50	1,9	
NKAJ-0218-R	135°C	60°C	210	230	315	20~180	Metal	22	34	5	50	2,0	
NKAJ-0525N	60°C	60°C	355	320	563	35~255	Metal	34	34	10	50	5,1	M
NKAJ-0525N2	60°C	60°C	355	320	563	35~255	Plastic	34	34	10	50	3,7	
NKAJ-0525R	135°C	60°C	355	320	563	35~255	Metal	34	34	10	50	5,2	
NKAJ-0525R2	135°C	60°C	355	320	563	35~255	Plastic	34	34	10	50	3,8	
NKAJ-0525SR2	165°C	60°C	355	320	563	35~255	Plastic	34	34	10	50	3,8	
NKAJ-0525R-G400	135°C	60°C	400	320	563	35~255	Metal	34	34	10	50	6,9	
NKAJ-0525SR-G400	165°C	60°C	400	320	563	35~255	Metal	34	34	10	50	6,9	
NKAJ-0531R	135°C	60°C	535	380	570	50~310	Metal	34	41	10	50	10,2	L
NKAJ-0531SR	165°C	60°C	535	380	570	50~310	Metal	34	41	10	50	10,2	
NKAJ-0531RE	120°C	60°C	535	380	570	50~310	Metal	34	41	12,5	40	12,0	
NKAJ-0531R-400G	135°C	60°C	400	380	563	50~310	Metal	34	34	10	50	9,0	
NKAJ-0733R	135°C	60°C	460	400	565	70~330	Metal	35	35	10	50	9,1	
NKAJ-0733SR	165°C	60°C	460	400	565	70~330	Metal	35	35	10	50	9,1	
NKAJ-0733R-400G	135°C	60°C	400	400	563	70~330	Metal	34	34	10	50	8,8	
NKAJ-0539R	135°C	60°C	535	460	570	50~390	Metal	34	41	10	50	11,1	
NKAJ-0539SR	165°C	60°C	535	460	570	50~390	Metal	34	41	10	50	11,1	
NKAJ-0546R	135°C	60°C	535	530	563	50~460	Metal	34	34	10	50	12,4	LL
NKAJ-0546SR	165°C	60°C	535	530	563	50~460	Metal	34	34	10	50	12,4	

Important: Themagazines are not designedfor usage in ovens. For suchapplications we recommendNikko aluminium racks or ourspecial SR-T oven racks.
Please note: The standard “S” and “M” size magazines have two corner posts, each. Optionally racks with four corner posts are available. The listed weights refer to the “S” and “M” size magazines withtwo corner posts. Further options are stopper bars and slot labels. The surface insulation resisistance of the slot cards is10^4 - 10^6 Ohm.cm.

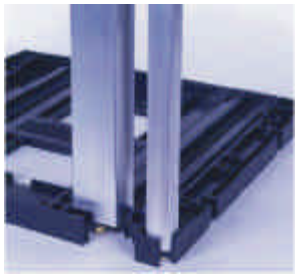
2 The economical alternative for standard widths

Low-Cost magazines



Tighten screws to fix adjustable guide rail unit

Strengthened Design



Supports fit securely into plastic base

Extremely lightweight: ~ 3,5kg



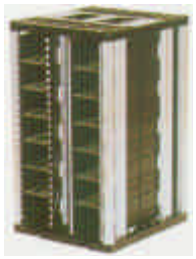
Ideal for transportation

Model No.	Max. temperature for slot cards	Max. temp. for other plastic parts	Outer dimensions in mm			Adjustable width	Base	Reference position		Pitch P	PCB slots	Weight	Size
			L	B	H	J		C	D				
NKLH-0525N3	60°C	60°C	355	320	563	50 ~250	Plastic	34	34	10	50	3,7	M
NKLH-0525R3	135°C	60°C	355	320	563	50 ~250	Plastic	34	34	10	50	3,8	
NKLH-0525SR3	165°C	60°C	355	320	563	50 ~250	Plastic	34	34	10	50	3,8	

Important: The magazines are not designed for usage in ovens. For such applications we recommend Nikko aluminium racks or our special SR-T oven racks.
Please note: "S" and "M"sizemagazines standard withtwoguide channels as corner posts, optional with four guide channels. The listed weights correspond to "S"and"M" size magazines with two guide channets . Stopper bars and card guide labels available optionally.

3 Double-adjustment type - High capacity magazines for small PCBs

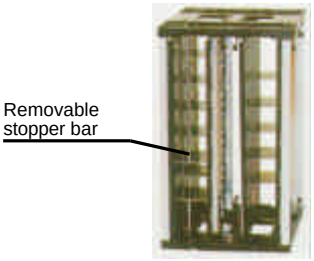
Hold twice the number of small and medium size boards

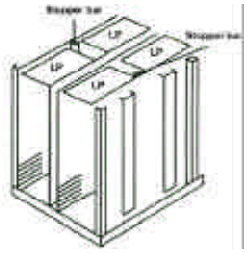




Same reference position for all of the outside corners

Center stopper for insertion of PCBs from front and back side





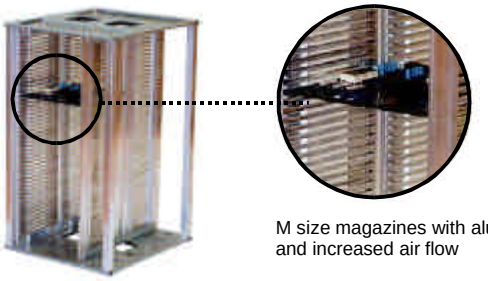
Devided into four sections, the maximum capacity is 200 boards

Model No.	Max. temperature for slot cards	Max. temp. other plastic parts	Outer dimensions in mm			Adjustable width	Base	Reference position		Pitch P	PCB slots	Weight	Size
			L	B	H	J		C	D				
NKLH-0309N-WG	60°C	60°C	355	320	563	30~98	Plastic	34	34	10	100	6,4	M
NKLH-0310R-WG	135°C	60°C	355	320	563	30~98	Plastic	34	34	10	100	6,6	

Important: The magazines are not designed for usage in ovens. For such applications we recommend Nikko aluminium racks or our special SR-T oven racks.
Please note: Optional stopper bars and slot labels are available.

4 Heat-resistant Nikko-Racks for oven applications

Full metal magazines for oven temperatures up to 200°C



M size magazines with aluminium card guides and increased air flow

- High-temperature resistent
- Suitable for cold chamber
- Different versions for your process optimization

Model No.	Max. temperature for magazine	Outer dimensions in mm			Adjustable width	Base	Reference position		Pitch P	PCB slots	Weight	Size
		L	B	H	J		C	D				
NKLH-0525AL 25 Slots, 20 mm Pitch	200°C	355	320	552	35 ~ 255	Metal	34	34	20	25	8,0	M
NKLH-0525AL 20 Slots, 10 mm Pitch	200°C	355	320	262	35 ~ 255	Metal	34	34	10	20	6,8	
NKLH-0525AL 50 Slots, 10 mm Pitch	200°C	355	320	562	35 ~ 255	Metal	34	34	10	20	8,5	

Please note: Optional stopper bars available

NIKKO™ PCB Magazine Racks

General information on Nikko-Racks

The model that suites your needs
- 7 different sizes
- Compatible with virtually all brands or equipment

Adjustment types of the different Nikko-Racks
- Rack & pinion and lock lever
- Screw adjustment

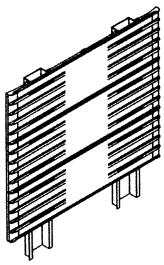
Extremely lightweight
- M-size Nikko-Racks starting from 3,5 kg.
- One-Touch Adjustment type starting from 3,6 kg.

Maximum PCB temperatures
- Standard version up to 60°C (N-type)
- Reflow version up to 135°C (R-type)
- High temperature version 165°C (SR-type)

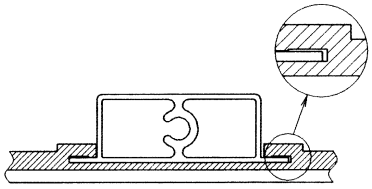
All-metall magazines for oven applications:
- Pressed aluminium guide gards for environmental temperatures of up to 200°C
- Advanced SMT type, heat resistant card Guides

Please note: Heat resistance temperatures determined by testingmethodsofNIX INC.

Patented Nikko-Rack Slot Cards



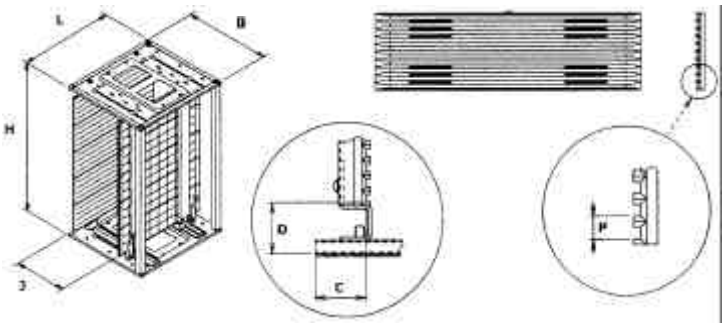
Devided into five separate card sections. Nikko Racks successfully limit the effects of expansion and contraction due to temperature differences between the top and bottom of the assembly.



With designed tolerances between each card guide and the supporting hat plate, the card guide assembly absorbs any stress due to temperature related contraction / expansion. Furthermore, because no screws are used to attach the card guides, the bending and distortion associated with screw-attached guides is completely eliminated.

Do you have special wishes? - Please contact us for special information.

Magazine Dimensions



This datasheet was presented to you by:

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