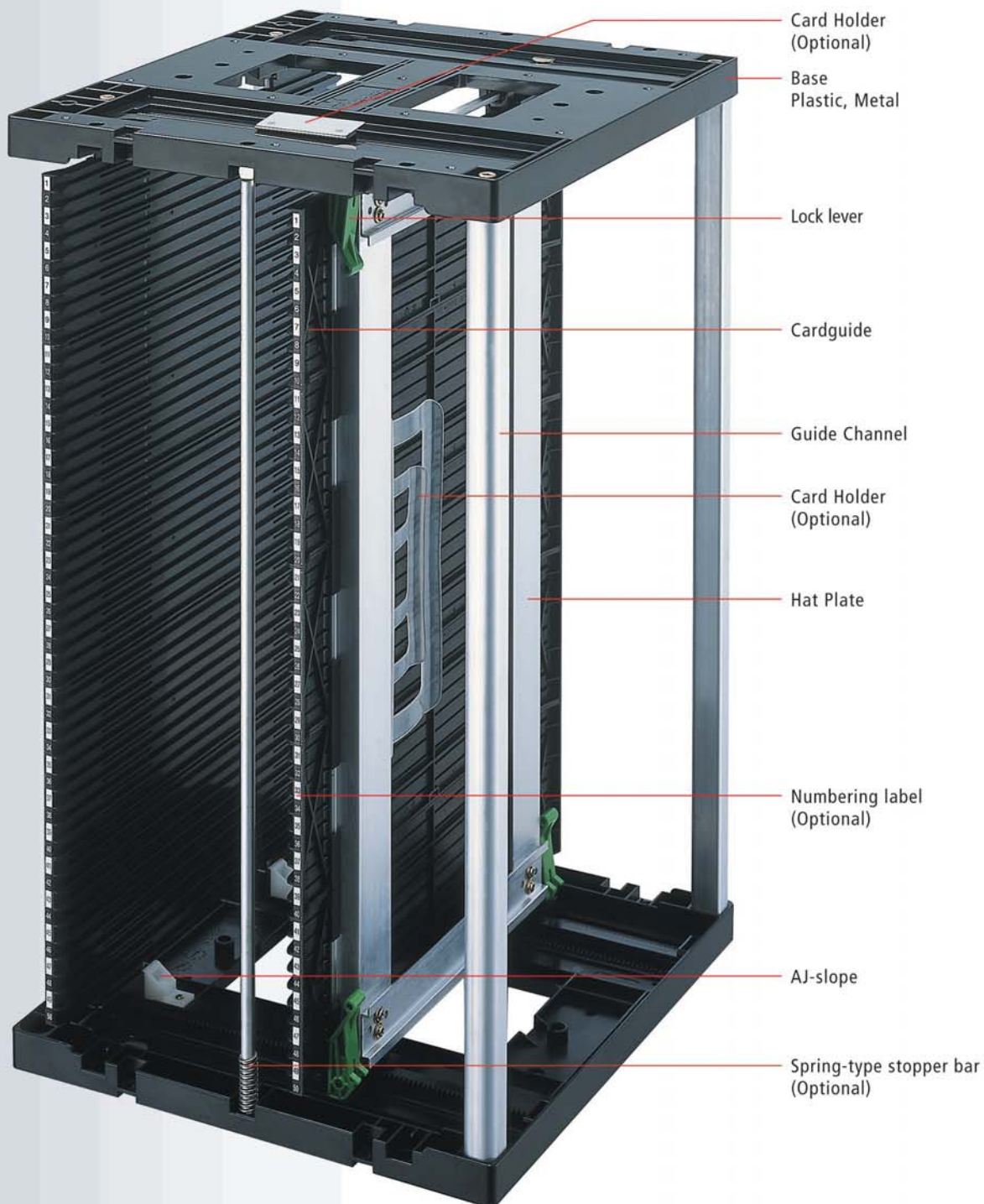
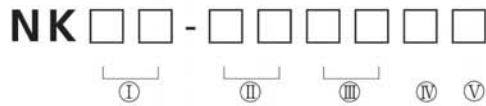


WIKKO-RACK™



Model Number Description Indicator for Nikko Racks



①	AJ	Quick-width adjustment type or Screw-bolt width adjustment type
	LH	Screw-bolt width adjustment type with metal base
②	Minimum PCB Adjustment width(cm)	
③	Maximum PCB Adjustment width(cm)	
	N	Lower heat-resistant N-type cardguides for board temperatures up to 60°C
	R	Heat-resistant R-Type cardguides allow board temperatures up to 135°C
④	SR	Higher-heat resistant SR-type cardguides allow board temperatures up to 165°C
	AL	Aluminum cardguide
	SU	Stainless steel cardguide
	None	indicates Metal Base
⑤	2	Plastic base (Quick-width adjustment type)
	3	Plastic base (Screw-bolt width adjustment type)

C O N T E N T S



Nikko-Rack Series

ESD safe standard magazines designed for SMT equipment; the most popular series

P3~P6



Carrier Rack Series

ESD safe magazines most suitable for PCB transportation; also compatible with automatic feeders.

P7~P8



Special Rack Series

Nix can create a special magazine; custom-designed to fit your special application.

P9



SMT-related products

Nix has developed a wide variety of magazine-related products to respond to customers' various needs.

P9



NIX, INC.

As a global company, Nix serves industry needs from product development to manufacturing to sales.

P10

NIKKO-RACK QUICK-WIDTH ADJUSTMENT TYPE

"High efficiency and accuracy. Easy to make width adjustments."

- Parallel width adjustment in less than 5 Seconds (Patented rack & pinion system)
 - We offer two types of cardguides; R-type (PCB temperatures up to 135°C) and SR-type (up to 165°C).
 - * Caution: These temperatures apply only to the cardguides. Magazines should not be placed in the oven.
 - All the models are compatible with standard specs. of SMT equipment.
- Note: Please confirm your specifications upon ordering.
- Quick-width adjustment. Lightest magazine in the industry! The unique 'smart rack' keeps cardguides absolutely parallel while providing excellent rigidity.
 - All the quick-width adjustment magazines are equipped with the AJ-slope system.

Options

- 4 Guide Channels (S & M size)
- Spring type stopper bars
- Numbering labels
- Card Holders

Plastic Base Nikko Rack



Metal Base Nikko Rack



PCB quick-width adjustment in less than 5 Seconds



1

Place the PCB on the center of the base.



2

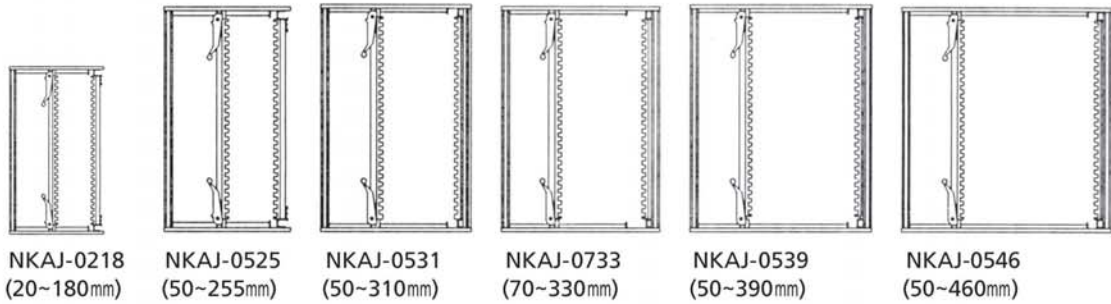
Slide the movable side towards the PCB until it cannot slide any further.



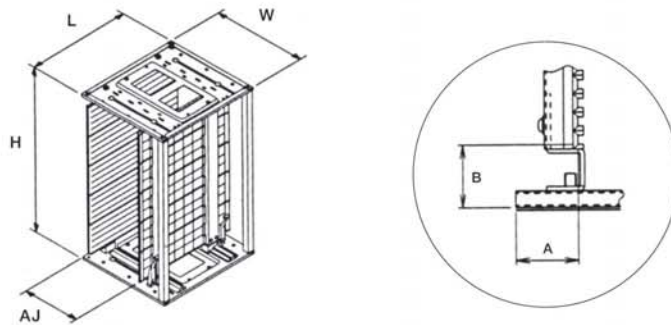
3

Lock all four levers and remove the PCB. The PCB will now slide smoothly into each rail with 1mm clearance.

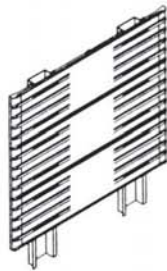
■ Our standard models can accommodate PCB widths from 20mm~460mm.



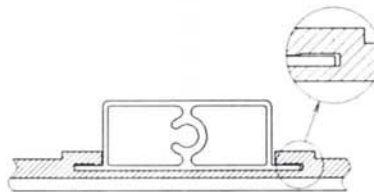
■ Magazine Dimensions



■ Patented Nikko-Rack Cardguides



The Nikko Rack cardguides are assembled in five separate sections to add both strength and to simplify ease of replacement if needed.



Each cardguide is attached to the supporting hat place with designed tolerances that can absorb any stress thereby reducing warpage or bending.

■ Specifications (mm · kg)

Model No.	Max Tolerant Temperature for the 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-0218N-G	60°C	210	230	315	20~180	Metal	22	34	5	50	1.7	
NKAJ-0218R-G	135°C	210	230	315	20~180	Metal	22	34	5	50	1.7	
NKAJ-0525N-G	60°C	355	320	563	50~255	Metal	34	34	10	50	5.1	M
NKAJ-0525N2-G	60°C	355	320	563	50~255	Plastic	34	34	10	50	3.7	
NKAJ-0525R-G	135°C	355	320	563	50~255	Metal	34	34	10	50	5.2	
NKAJ-0525SR-G	165°C	355	320	563	50~255	Metal	34	34	10	50	5.2	
NKAJ-0525R2-G	135°C	355	320	563	50~255	Plastic	34	34	10	50	3.8	L
NKAJ-0525SR2-G	165°C	355	320	563	50~255	Plastic	34	34	10	50	3.8	
NKAJ-0531R-G	135°C	535	380	570	50~310	Metal	34	41	10	50	9.4	
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	YL
NKAJ-0733N-G	60°C	460	400	565	70~330	Metal	35	35	10	50	8.8	
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	
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-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-0525R-G400	135°C	400	320	563	50~255	Metal	34	34	10	50	6.8	
NKAJ-0525SR-G400	165°C	400	320	563	50~255	Metal	34	34	10	50	6.8	
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 400mm-length cardguides. *All standard models are shipped partially assembled. Complete assembly is optional.
*All specifications are subject to change without notice.

NIKKO-RACK SCREW-BOLT ADJUSTMENT TYPE

"High efficiency and accuracy."

- Extremely Lightweight(NKAJ-0525N3 weighs only 3.7 Kg.)
 - We offer two types of cardguides; R-type (PCB temperatures up to 135°C) and SR-type (up to 165°C).
 - * Caution: These temperatures apply only to the cardguides. Magazines should not be placed in the oven.
 - All the models are compatible with standard specs. of SMT equipment.
- Note: Please confirm your specifications upon ordering.
- Quick-width adjustment. Lightest magazine in the industry! The unique 'smart rack' keeps cardguides absolutely parallel while providing excellent rigidity.

Options

- 4 Guide Channels (S & M size)
- Spring type stopper bars
- Numbering labels
- Card Holders



Best suited for fixed PCB width



Tighten screws to fix the width

Sturdy Design. Guide channels fit securely into the plastic base.



Ideal for transportation (Extremely lightweight, 3.7 Kgs.)



■ Specifications (mm · kg)

Model No.	Max Tolerant Temperature for the 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.

NIKKO-RACK DOUBLE-ADJUSTMENT TYPE

"The Center Stopper is used for accommodating up to 200 PCBs. (Width adjustable from 30mm~100mm)."

- Compatible with M-Size Loader/Unloaders
 - The Same reference position for both top and bottom corners. (Can be used upside down).
 - We offer two types of cardguides; R-type (PCB temperatures up to 135°C) and SR-type (up to 165°C).
 - * Caution: These temperatures apply only to the cardguides. Magazines should not be placed in the oven.
 - All the models are compatible with standard specs. of SMT equipment.
- Note: Please confirm your specifications upon ordering.
- Quick-width adjustment. Lightest magazine in the industry! The unique 'smart rack' keeps cardguides absolutely parallel while providing excellent rigidity.
 - Equipped with four guide channels

Options

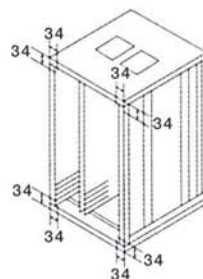
- Spring type stopper bars
- Numbering labels
- Card Holders



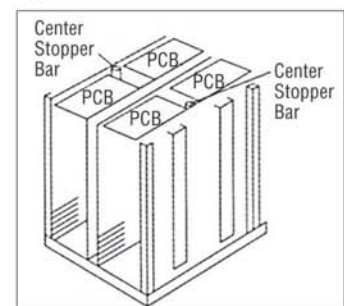
The center stopper bar can be attached.



Illustration for the reference position.



Can be divided into four sections; the maximum capacity is 200 boards.



■ Specifications (mm · kg)

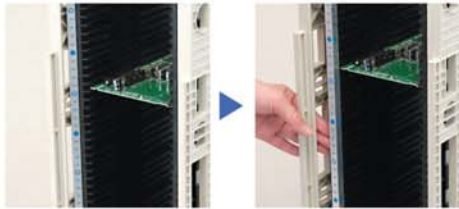
Model No.	Max Tolerant Temperature for the Cardguide	Outer Dimensions			Adjustable Width	Base Material	Ref. Position		Pitch P	PCB Slots	Weight (kg)	Size
		L	W	H			A	B				
NKAJ-0310N3-WG	60°C	355	320	563	30~100	Plastic	34	34	10	100	6.4	M
NKAJ-0310R3-WG	135°C	355	320	563	30~100	Plastic	34	34	10	100	6.6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

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

CARRIER 21

"Protects and secures PCBs during transportation. We offer two models, ST and AJ."

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

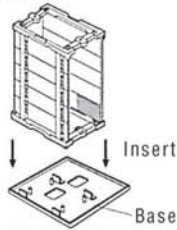


- Loader/Unloader compatible with optional bases. It's lightweight and ideal for transportation and storage. (ST model only).

Instruction for optional base attachment

Can be used with Loader/Unloaders with optional bases (optional).

* Requires special loaders.



- Stackable



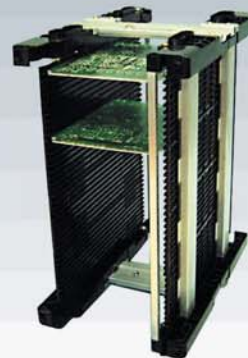
Optional

- Spring-type center stopper bar / Holds up 80 PCBs (length 170mm or shorter).
- Can customize the number of PCB slots: 20, 30, 50, 60 and 70 slots. (AJ model only)

ST model



AJ model



Width-Adjustment Clearance System



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

Tighten screws while the PCB is in the clearance slot.

The PCB will now slide smoothly into each rail with 1mm clearance.

Specifications(mm·kg)

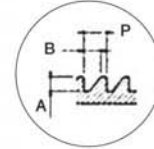
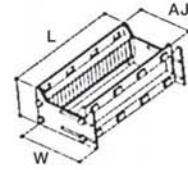
Model	Model No.	Max Tolerant Temperature for the Cardguide	Outer Dimensions			Adjustable Width	Base Material	Pitch P	PCB Slots	Weight (kg)	Size
			L	W	H						
ST Model	ST-0512	60°C or 135°C	400	127~196	484.5	50~120	Plastic	10	45	3.7	M
	ST-1225	60°C or 135°C	400	196~326	484.5	50~250	Plastic	10	45	3.7	
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	4.0	

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

HIC RACK

"Best suited for small PCBs and hybrid ICs with exposed leads."

- Ideal for transportation and storage for molded hybrid ICs.
- Designed to protect exposed leads.
- Saves space by storing small boards vertically.
- Cardguides are made of nylon and the side plates are aluminum.
- Width can be customized. Please contact us for details.
- Cleaning solution (Asahi Glass AK-225) for the freon alternative can be used.

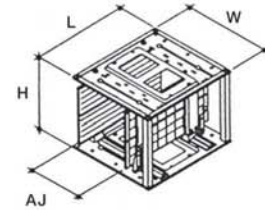


Model No.	Adjustable Width	Outer Dimensions			Card Guide Dimensions		
		L	W	H	A	B	P
HIC-0207-A-S	20~70	164	99.2	55	3	5	6

LOW-HEIGHT TYPE MAGAZINE

"263mm, 363mm, 463mm magazine heights are available."

- Since a cardguide's height is 100mm, magazine height can be specified by 100mm increment.
- Lightweight. Accommodates your needs for storing small quantities.
- Available for both quick-width adjustment and screw-bolt adjustment type.



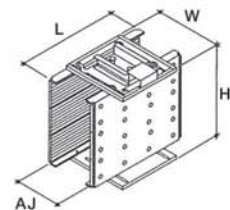
Example: NKAJ-0525R2-L4-G

Model No.	Adjustable Width	Outer Dimensions			Pitch
		L	W	H	
NKAJ-0525R2-L4-G	50~255	355	320	263	10

CRE8 MAGAZINE

"By combining an aluminum magazine with plastic cardguides, we offer lighter weight and savings."

- Specifications are the same as all-metal magazines. Compatible with automatic feeders.
- Comes with a handle. Cannot be used upside down.
- We also offer a model with attachable sensors.



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

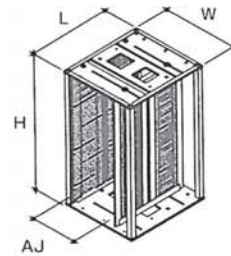
*All specifications are subject to change without notice.

Special-Rack Series

HEAT-RESISTANT RACK

"All-Metal Magazine. Cardguides are pressed aluminum or pressed stainless steel. The same specification as the 0525 Series. Safe for oven and burn-in process."

- Can place PCBs in the magazine directly from the reflow oven without cooling down.
- We offer the same specs. as the 0525 Series and can be used with loaders/un-loaders.
- We designed the space between slots to provide ventilation, thus allowing the consistent heat distribution. Ideal for the high temperature oven.
- Screw-bolt width adjustment type
- 0531, 0539 and 0546 sizes are also available.



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

SMT Related Products

CARRIER TAPE TRAY

"Now a small lot of components can be mounted with Carrier Tape Tray!"

- Perfect for prototype assembly and SMD evaluation
- Designed for processing different width of emboss tapes simultaneously from a single tray setting. Quick width adjustable.

Model No.: NCAJ-S
 Outer Dimensions: 230(W) x 355(D) x 20(H)mm
 Tape guides: 5 per tray (additional trays are optional)
 Component height: Maximum 10mm
 Optional: Pin



RACK DOLLY

"Makes transportation safe and smooth. Designed to fit Nikko Racks perfectly."

For one rack:
 (W)360.5 x (L)396.5 x (H)86.2mm Weight: 2.2 Kg.
 For two racks:
 (W)690.5 x (L)396.5 x (H)86.2mm Weight: 2.9 Kgs.
 *Using 50mm(diameter) casters.



Global Company

From research and development to production and sales, NIX strives to be a creative company offering original ideas, focusing on every process. We answer today's competitive demands by providing solutions to a wide variety of customer needs. By developing high value-added products which surpass global standards, Nix demonstrates its leadership as 'First in Creativity'.



R&D Center



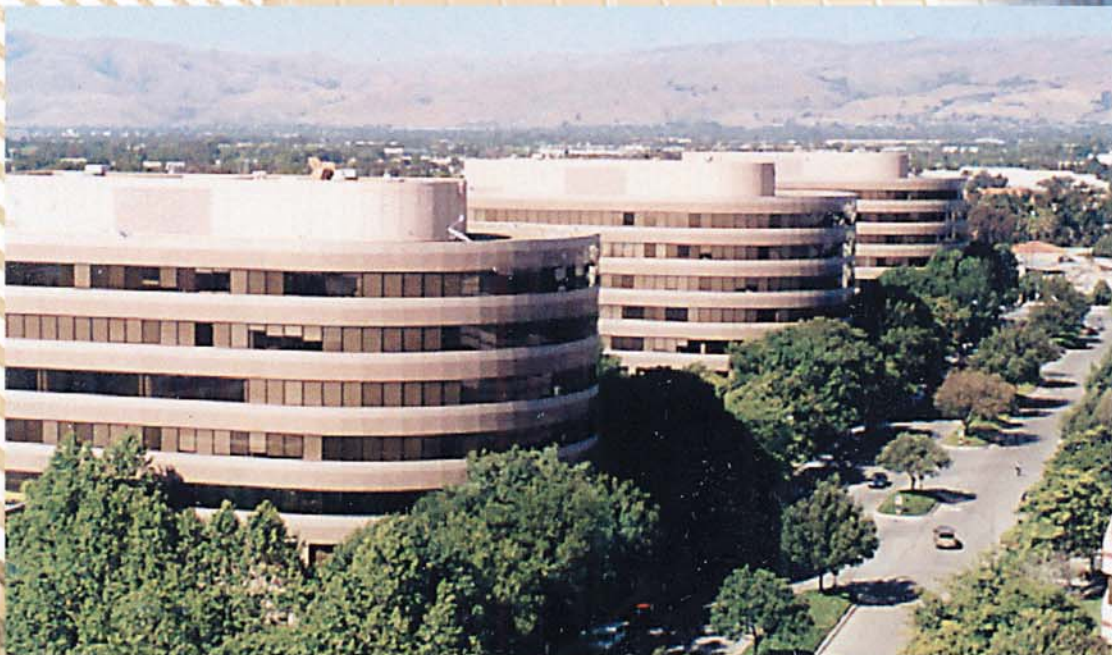
Tsukui Factory



Design Center



Injection Molding Floor



NIX OF AMERICA