
FEEDER SERIES



*Please refer to the product specifications for details.



JUKI CORPORATION HEAD OFFICE
An environmental management system to promote and conduct the following:
(1) Eco-friendly development of products and technologies
(2) Green procurement and green purchasing
(3) Energy conservation (reduction in carbon-dioxide emissions)
(4) Resource saving (reduction of papers purchased, etc.)
(5) Reduction and recycling of waste
in the activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

JUKI®

MANUFACTURER : JUKI CORPORATION
INQUIRY : JUKI AUTOMATION SYSTEMS CORPORATION
2-11-1, Tsurumaki, Tama-shi, Tokyo 206-8551, JAPAN
TEL.81-42-357-2293 FAX.81-42-357-2285

<http://www.juki.co.jp>

Jul-2017/Rev.01

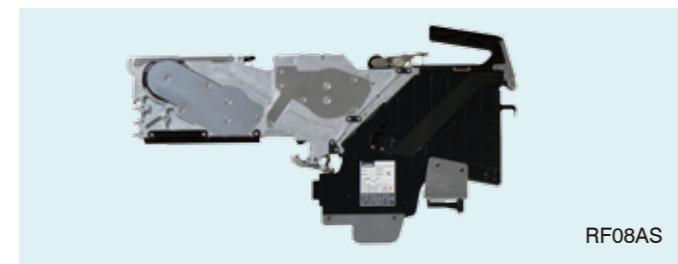
■JUKI Specifications and appearance may be changed without notice.
■This catalogue prints with environment-friendly soyink on recycle paper.



Electric Feeder Series

RFseries*1

NEW

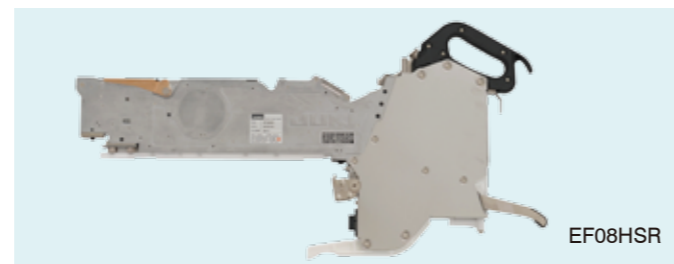


RF08AS

The new RF Series feeders are smaller and lighter than previous EF feeder models while maintaining high accuracy. The smaller size allows more feeders to fit on the machine, improving productivity and flexibility.*2

*1 Only available RS-1,RX-7,KE-3000 series.
*2 When using RX-7

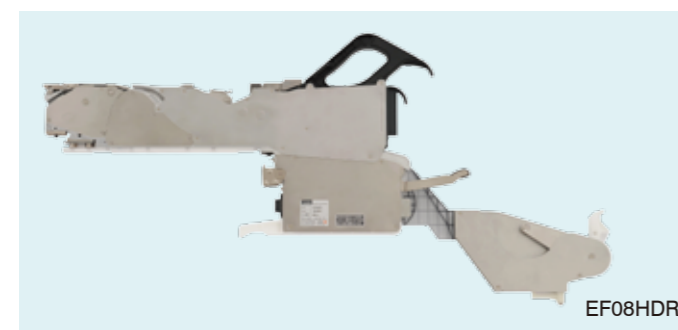
EFseries (Single Lane)



EF08HSR

Motor drive provides smoother, higher speed presentation. Models include sizes from 8-88mm for a wide range of components. Automatic pick position correction for improved pick accuracy is standard on all EFseries feeders.

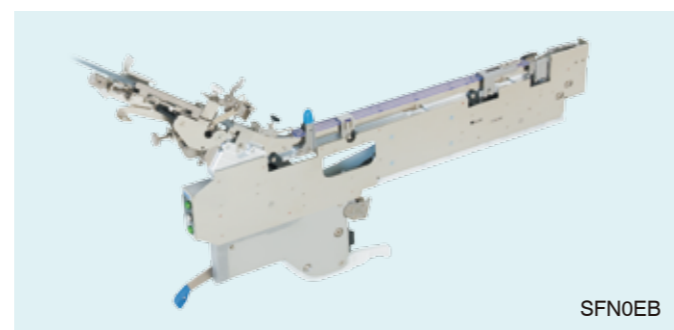
EFseries (Dual Lane)



EF08HDR

The dual-lane electronic feeder holds two 8mm reels in the space of a single 17mm feeder, doubling the component capacity of the machine. Higher capacity provides greater flexibility for clustering a variety of PCBs and reduces the need for additional machines.

Stick Feeder

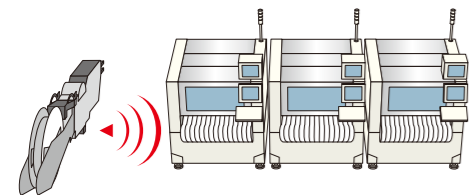


SFN0EB

Electronic belt-driven stick feeders provide reliable, high speed component presentation. Adjustable lane width provides greater flexibility for a variety of components and reduces the need for dedicated feeders.

Feature of Electric Feeder

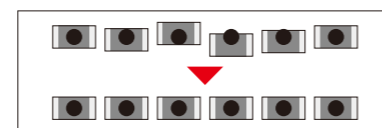
Intelligent Feeders



Intelligent feeders are available on RF, EF, and mechanical series feeders. A new CAN[™] Bus network is used on the RF or EF series improving the price performance. RFID[™] can be used with mechanical and EF series feeders. All models provide part verifications and traceability (optional) for unequaled factory floor control.

*1 RS-1,RX-7,KE-3000 series.
Machine upgrade required
*2 Not available on RS-1 and RX7.
IFS-NX antennas sold separately
For EF and mechanical feeders

Automatic pick position correction



Feeders automatically adjust the presentation position based on feedback from the centering system. This results in improved pick accuracy and higher opportunity for gang picking and higher speed placement.

Contribution to Stable High-quality Production

RFseries*1 Specifications

NEW

Model No.	Pitch	Tape size	occupied pins(12mm) *2	occupied pins(17mm) *3
RF08AS	1/2/4	8mm	1	1
RF12AS	2/4/8/12	12mm	2	1
RF16AS	4/8/12/16	16mm	2	2
RF24AS	4/8/12/16/20/24	24mm	3	2
RF32AS	4/8/12/16/20/24/28/32	32mm	4	3
RF44AS	4/8/12/16/20/24/28/32/36/40/44	44mm	5	3
RF56AS	4/8/12/16/20/24/28/32/36/40/44/48/52/56	56mm	6	4

*1 Only applicable RS-1,RX-7,KE-3000 series.
*2 In case RS-1,RX-7
*3 In case RX-6,KE-3000 series

EFseries* Specifications

Model No.	Pitch	Tape size	occupied slots
EF02HSR	2	8mm (0402 chip/0603 chip/1005 chip)	1
EF08HSR	2/4	8mm	1
EF08HDR	2/4	8mm	1
EF12FSR	4~12	12mm	1
EF16FSR	4~16	16mm	2
EF24FSR	4~24	24mm	2
EF32FSR	4~32	32mm	3
EF44FS	4~44	44mm	3
EF56FS	4~56	56mm	4
EF72FS	4~56	72mm	5
EF88FS	4~56	88mm	6

* When using the EF series feeder (excluding EF72FS, EF88FS) in the RF bank, a separate attachment is required. Please consult our sales staff if you use EF72FS, EF88FS in RF Bank.

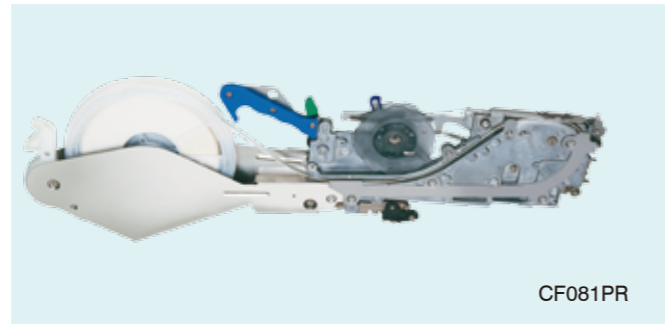
Stick Feeder Specifications

Feeder type	Model No.	Lane width (mm)	SOP			SOJ			PLCC(QFJ)		
			nominal size (mil)	W (mm)	T (mm)	nominal size (mil)	W (mm)	T (mm)	nominal size (mil)	W (mm)	T (mm)
Type N0	SFN0EB	6.9 ^{*1}	225	5.72~6.99	~1.5	-	-	-	-	-	-
		6.6~8.9 ^{*2}	300	7.62~8.89	2.0	-	-	-	-	-	-
Type N1	SFN1EB	7.2	225	5.72~6.99	~1.5	-	-	-	-	-	-
Type N2	SFN2EB	9.2	300	7.62~8.89	2	300	8.38~8.76	3.25~3.76	285x325	8.05~8.31	4.2~5.08
Type N3	SFN3EB	11.2	375	9.53~10.8	2.5	350	9.65~10.03		290x490	8.13~8.51	4.2~5.08
									350x350	9.78~10.03	
Type N4	SFN4EB	13	450	11.43~12.7	3	400	10.92~11.3 12.19~12.57		450x450	12.32~12.57	4.2~4.57
								400x550	4.2~5.08		
Type W1	SFW1EB	15	525	13.34~14.61	3.5	-	-	-	-	-	
Type W2	SFW2EB	18.2	600	15.24~16.51	4	-	-	-	650x650	17.4~17.65	4.2~5.08
Type W3	SFW3EB	20.8	-	-	-	-	-	-	750x750	19.94~20.19	4.2~5.08
Type W4	SFW4EB	26	-	-	-	-	-	-	950x950	25.02~25.27	
Type W5	SFW5EB	31.2	-	-	-	-	-	-	1150x1150	30.1~30.55	

*1 When shipping
*2 Adjustable
* Optional spacer kits are provided to change Type N1 through N4 and W1 through W5 to another type of feeder.
* Type N0 has high precision width adjustment for SOP8~10 pin.
* Corresponding stick thickness 9 mm or less, and distance 3 mm or less from the bottom of the stick to the bottom of the part is recommended.
* When using the stick feeder with the RF bank, a separate attachment is required.

Mechanical Feeder series

CF/FFseries



Reliable, accurate mechanical tape feeders are available for all common SMT tape widths. Available in either fixed pitch or flexible pitch, these feeders are designed for simplicity, durability and highly reliable feeding.

CF/FF series Specifications

Part.No.	Pitch	Tape size	Part. No	Pitch	Tape size	
AQ02HP	2	0402 (paper tape) *1	FF242S	8	24mm	
CF03HPR	2	0603 (paper tape)	FF243S	12		
CF05HPR	2	1005 (paper tape)	FF244S	16		
CF08HER	2	8mm (embossed)	FF245S	20		
CF081PR	4	8mm (paper tape)	FF246S	24		
CF081ER	4	8mm (embossed)	FF24FS	8~24		
CF8L1PR	4	8mm (paper tape) large reel	FF24NS	4~12	32mm	
CF8L1ER	4	8mm (embossed) large reel	FF323R	12		
CN05HPR ^{*1}	2	1005 (paper tape)	FF324R	16		*special large package feeder
CN08HER ^{*1}	2	8mm (embossed)	FF32FR	8~24		*special large package feeder
CN081CR ^{*2}	4	8mm (paper/embossed)	FF32FR-OP ^{*3}	8~32		
CN8L1CR ^{*2}	4	8mm (paper/embossed) large reel	FF443R	12		44mm
FF121S	4	12mm	FF444R	16	*special large package feeder	
FF122S	8		FF44FR	8~24	*special large package feeder	
FF123S	12		FF44FR-OP ^{*3}	8~44		
FF12FS	4~12		FF564R	12~16	56mm	
FF12NS	4~12		FF568R	12~32		*special large package feeder
FF161S	4	16mm	FF56FR	8~24		*special large package feeder
FF162S	8		FF56FR-OP ^{*1}	8~56		
FF163S	12		FF724S	12~16	72mm	
FF16FS	4~12		FF728S	12~32		
FF16NS	4~12					

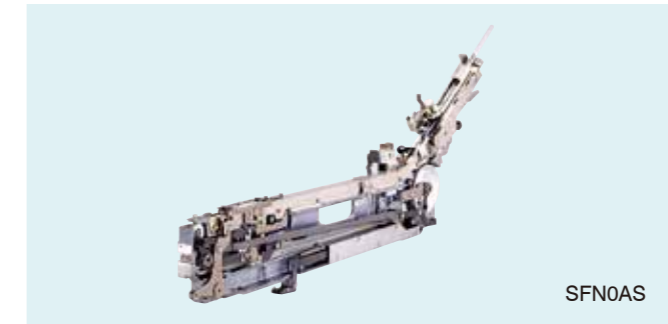
*1 One fixing pin(also available KE-700 series)

*2 Please ask us about use of paper / emboss common type tape feeder.

*3 Please ask for details on FF 32 / 44 / 56 FR-OP.

Comprehensive Feeder Assortment

Stick Feeder



Feeder for components packed in stick. Easy installation and quick setting.

Stick Feeder Specifications

Feeder Type	Parts.No.	Lane width (mm)	SOP			QFJ(PLCC)			SOJ		
			nominal size (mil)	W(mm)	T(mm)	nominal size (mil)	W(mm)	T(mm)	nominal size (mil)	W(mm)	T(mm)
Type N0	SFN 0 AS	6.9 ^{*1}	225	5.72~6.99	~1.5						
		6.6~9.2 ^{*2}	300	7.62~8.89	2.0						
Type N1	SFN1AS	7.2	225	5.72~6.99	~1.5	285×425					
Type N2	SFN 2 AS	9.2	300	7.62~8.89	2.0	290×490	8.05~8.31	4.02~5.08	300	8.38~8.76	3.25~3.76
						350	8.13~8.51				
Type N3	SFN 3 AS	11.2	375	9.53~10.8	2.5	350×550	9.78~10.03	4.20~4.57	350	9.65~10.03	
						450	4.20~5.08				
Type N4	SFN 4 AS	13.0	450	11.43~12.7	3.0	450×550	12.32~12.57	4.20~4.57	400	10.92~11.30	
							4.20~5.08				
Type W1	SFW 1 AS	15.0	525	13.34~14.61	3.5	650					
Type W2	SFW 2 AS	18.2	600	15.24~16.51	4.0	750	17.40~17.65	4.20~5.08			
Type W3	SFW 3 AS	20.8				950	19.94~20.19				
Type W4	SFW 4 AS	26.0				1150	25.02~25.27				
Type W5	SFW 5 AS	31.2					30.10~30.55				

*1 When shipping

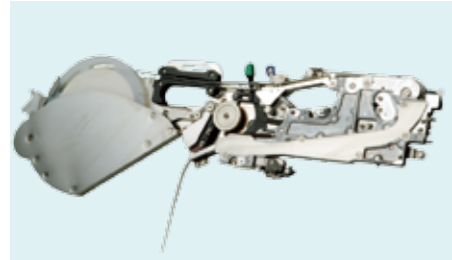
*2 Adjustable

*3 Optional spacer kits are provided to change Types N1 through N4 and W1 through W5 to another type of feeder.

* TypeN0 has high precision width adjustment for SOP 8~10pin.

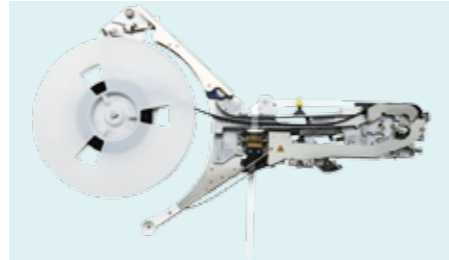
Productivity improvement by splicing feeder

■ AF Feeder



AF series feeders are designed to support tape splicing for fast, easy component replenishment during production.

■ Large AF Feeder



Larger AF feeders support splicing and can also accept deeper pocket tape for taller components such as electrolytic capacitors or connectors.

■ AF series Specifications^{*1}

■ 8mm Tape feeder

Parts. No.	Pitch	Tape size
AF05HP	2	1005 (paper)
AF08HE	2	8mm (embossed)
AF081P	4	8mm (paper)
AF081E	4	8mm (embossed)
AN05HP	2	1005用 (paper)
AN08HE	2	8mm (embossed)
AN081P	4	8mm (paper)
AN081E	4	8mm (embossed)
AN081C	4	8mm (paper/embossed) ^{*2}

■ 12~24mm Tape feeder

Parts No.	Pitch	Tape size
AF121S	4	12mm
AF122S	8	
AF123S	12	
AF12FS	4~12	
AF12NS	4~12	16mm
AF161S	4	
AF162S	8	
AF163S	12	
AF16FS	4~16	24mm
AF16NS	4~12	
AF242S	8	
AF243S	12	
AF244S	16	*large package
AF245S	20	
AF246S	24	
AF24FS	8~24	
AF24NS	8~12	
AF24FS-OP	8~24	

Compatibility between tape feeder and feeder trolley

*1 Either one fixing pin or two fixing pin type is available. Select appropriate tape feeder type with your feeder bank.

*2 Please ask us about use of paper/emboss common type tape feeder.

Feeder Options

■ Inspection/Calibration Jig



Electric EF type



Mechanical type

Feeder adjustment jigs are available for both mechanical and electronic feeders. These jigs are used by maintenance personnel to periodically recalibrate the feeders in order to maintain high reliability and accuracy. The jigs are simple to use and include a monitor for adjustments and final check.

■ Feeder Stocker For Electric Feeder



Electric type

Maximum 80 Electric feeders can be stored. (This is based on 8mm feeder size.)

■ Splicing function



Tape cutting jig



Splicing tape



Splicing jig

Splicing tape and jig provide reliable and inexpensive tape splices. Use of splicing can decrease downtime and increase productivity.

■ Electric Trolley Power Station PW01/PW02



The electric trolley power station provides power to electric feeders when they are off the machine. This can help in changeover time and provide a place to load feeders when preparing future jobs.

■ Feeder Setup Stand



Electric type (EF series)



Mechanical type

The feeder setup stand provides a way to load tape into the electronic feeders off-line to improve efficiency. It holds the feeder stably and in a position that aids in loading.