

Automatic Screw Feeder

HS HS Series

(For manual operation)
(For automatic assembly machines)

Neji Taro aligns screws!

The work efficiency of a production line will be dramatically improved.

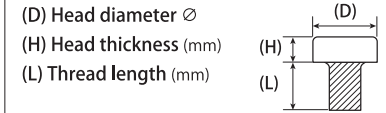
- A single unit can handle different screw sizes by changing rails.
- Easy rail replacement.
- Screws are stably aligned and quickly fed to a line.
- Feeding speed can be adjusted depending on operational conditions.
- Some models can handle special screws.

Model selection chart

Model	Neji Taro V		Neji Taro II		Neji Taro III		HSF
	For manual operation HSV series	For automatic assembly machines HSV-RB series	For manual operation HS series	For automatic assembly machines HS-RB series	For manual operation HS III series	For automatic assembly machines HS III-RB series	For manual operation HSF series
M1.0	● HSV-10	● HSV-10RB	—	—	● HS III-10	—	● HSF-10
M1.2	● HSV-12	● HSV-12RB	—	—	● HS III-12	—	● HSF-12
M1.4	● HSV-14	● HSV-14RB	—	—	● HS III-14	● HS III-14RB	● HSF-14
M1.7	● HSV-17	● HSV-17RB	—	—	● HS III-17	● HS III-17RB	● HSF-17
M2.0	● HSV-20	● HSV-20RB	—	—	● HS III-20	● HS III-20RB	● HSF-20
M2.3	● HSV-23	● HSV-23RB	—	—	● HS III-23	● HS III-23RB	● HSF-23
M2.6	● HSV-26	● HSV-26RB	—	—	● HS III-26	● HS III-26RB	● HSF-26
M3.0	● HSV-30	● HSV-30RB	—	—	● HS III-30	● HS III-30RB	● HSF-30
M3.5	—	—	● HS-35	● HS-35RB	—	—	—
M4.0	—	—	● HS-40	● HS-40RB	—	—	—
M5.0	—	—	● HS-50	● HS-50RB	—	—	—
Screw transport type	Horizontal feeder Rotary escaper		Horizontal feeder Slide escaper (applicable only to automatic assembly machines)				

Guide of specifications

The sizes (D), (H) and (L) of screws in the specifications refers to the following parts



About dimensions of screw feeders

The dimensions in the left chart don't include projections and depressions. See the DXF files from HIOS website for more information. www.hios.com

Go to DOWNLOAD -> DXF -> Automatic screw feeder

* Special software is required to view DXF files.

Configuration of Screw Feeder

Main unit		Main unit only
Model		Main unit + applicable rail (1pc)
Replacement rail		Specify the rail's model number for ordering a rail.

Neji Taro V

HSV Series

Multiple input type
AC100V-240V



- A single unit can handle eight screw sizes by simply replacing the rail.
- The Rotary Escaper has been adopted to take out screws.
 - It has realized stable catching of screws by eliminating tangling of screws.
- Quickly catches unstable screws.
 - For examples, countersunk screws, screws with washer and thinner head screws can be handled
- Can be used with the vacuum pick up driver (for automatic assembly machines)

For manual operation

For automatic assembly machines

HSV Series



Models:

HSV-10 (M1.0) HSV-20 (M2.0)
HSV-12 (M1.2) HSV-23 (M2.3)
HSV-14 (M1.4) HSV-26 (M2.6)
HSV-17 (M1.7) HSV-30 (M3.0)

* Ask HIOS distributor with CE mark.

HSV-RB Series



Models:

HSV-10RB (M1.0) HSV-20RB (M2.0)
HSV-12RB (M1.2) HSV-23RB (M2.3)
HSV-14RB (M1.4) HSV-26RB (M2.6)
HSV-17RB (M1.7) HSV-30RB (M3.0)

Specifications

Classification		HSV Series	HSV-RB Series
Power Supply	Input	AC100-240V (50/60Hz)	
	Output	DC15V 1A	
Dimensions (mm)		123(W) × 181(D) × 145(H)	
Weight (kg)		About 3kg (including the rail)	
Screw capacity		80cc	
Overload protection circuit		Reverse rotation when overloaded, Forward rotation when restored	
Included Accessories: 1 installed standard rail, 2 guide plates (1 installed), 1 hexagonal wrench (width across flats 2mm), 1 screwdriver (for timer adjustment), 2 escaper guides for robot (1 installed), 1 AC adapter			

* AC adapter is included for overseas use.

Range of screws that can be supplied

Main unit	Model	Nominal screw diameter	(D) Head diameter (ø)	(H) Head thickness (mm)	(L) Thread length (mm)	Replacement rail model number
HSV	HSV-10	M1.0	1.2-4.5	0.35-1.0	1.6-10	HSV-BI-10
	HSV-12	M1.2	1.4-4.5	0.35-1.0	1.8-10	HSV-BI-12
	HSV-14	M1.4	1.7-4.5	0.35-1.0	2.0-10	HSV-BI-14
	HSV-17	M1.7	2.0-4.5	0.35-1.0	2.3-10	HSV-BI-17
	HSV-20	M2.0	2.4-6	0.35-4.5	2.6-20	HSV-BI-20
	HSV-23	M2.3	2.7-6	0.35-4.5	2.9-20	HSV-BI-23
	HSV-26	M2.6	3.0-6	0.35-4.5	3.2-20	HSV-BI-26
	HSV-30	M3.0	3.5-6	0.35-4.5	3.6-20	HSV-BI-30
HSV-RB	HSV-10RB	M1.0	1.2-4.5	0.35-1.0	1.6-10	HSV-RI-10
	HSV-12RB	M1.2	1.4-4.5	0.35-1.0	1.8-10	HSV-RI-12
	HSV-14RB	M1.4	1.7-4.5	0.35-1.0	2.0-10	HSV-RI-14
	HSV-17RB	M1.7	2.0-4.5	0.35-4.5	2.3-10	HSV-RI-17
	HSV-20RB	M2.0	2.4-6	0.35-4.5	2.6-20	HSV-RI-20
	HSV-23RB	M2.3	2.7-6	0.35-4.5	2.9-20	HSV-RI-23
	HSV-26RB	M2.6	3.0-6	0.35-4.5	3.2-20	HSV-RI-26
	HSV-30RB	M3.0	3.5-6	0.35-4.5	3.6-20	HSV-RI-30