

NSBI / NSRI Series

Versatile Screw Feeder

High-precision, High-speed,
and High-durability

Supported screw diameter
M1.0 ~ M3.0

Supported screw under-head length
Longest: 20mm

Capacity
About 80cc

Non-ferrous materials: supported

*For details, please refer to each product's specifications section.

- Manual NSBI
- Robotic NSRI NSRI-B (With Brushless Motor)



Features a rotary escaper

Separates screws one at a time, ensuring they do not intersect for smooth take out.

Special screws supported

Allows you to stably feed SW screws or those with washers.

Dramatic improvements in motor durability

NSRI-B: includes a brushless motor. The motor now has a greatly improved lifecycle. (3x greater)

Flexible support for line changes

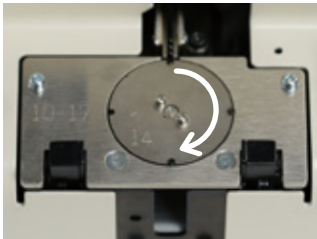
Supports screws of varying diameters. Easy installation: simply set into place, and the portable size lets you adapt to line or workpiece changes.



NSRI-B robotic device installation example

NSRI-B robotic device installation example

- Easy installation—simply drop into place. Makes maintenance and replacement easy.
- NSRI/NSRI-B: screw take out point features a signal notifying whether the screw is at the take out point.



Rotating escaper

Escaper

- < Rotating escaper allows for high-speed screw supply >
Accurately separates screws and supplies them at high speed.
- < Supports low profile screws >
By default, supports up to 0.35mm (or 0.2mm by special order) low profile screws.
- Separates screws one at a time, ensuring they do not clog at the take out outlet.

Manual Type



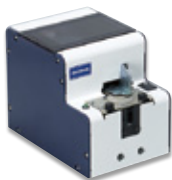
NSBI

Robotic Type



NSRI

With Brushless Motor



NSRI-B

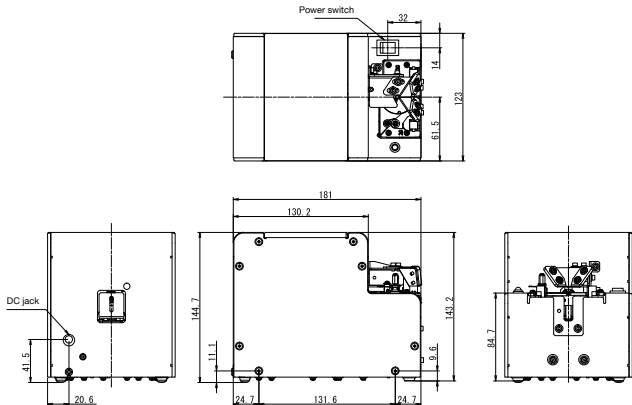
Product type

Supported screw diameter (mm)	Main component type			Swap rail set type		
	NSBI Series	NSRI Series	NSRI-B Series	NSBI Series	NSRI Series	NSRI-B Series
1.0	NSBI-10	NSRI-10	NSRI-10B	BI10SET	RI10SET	RI10SET2
1.2	NSBI-12	NSRI-12	NSRI-12B	BI12SET	RI12SET	RI12SET2
1.4	NSBI-14	NSRI-14	NSRI-14B	BI14SET	RI14SET	RI14SET2
1.7	NSBI-17	NSRI-17	NSRI-17B	BI17SET	RI17SET	RI17SET2
2.0	NSBI-20	NSRI-20	NSRI-20B	BI20SET	RI20SET	RI20SET2
2.3	NSBI-23	NSRI-23	NSRI-23B	BI23SET	RI23SET	RI23SET2
2.6	NSBI-26	NSRI-26	NSRI-26B	BI26SET	RI26SET	RI26SET2
3.0	NSBI-30	NSRI-30	NSRI-30B	BI30SET	RI30SET	RI30SET2

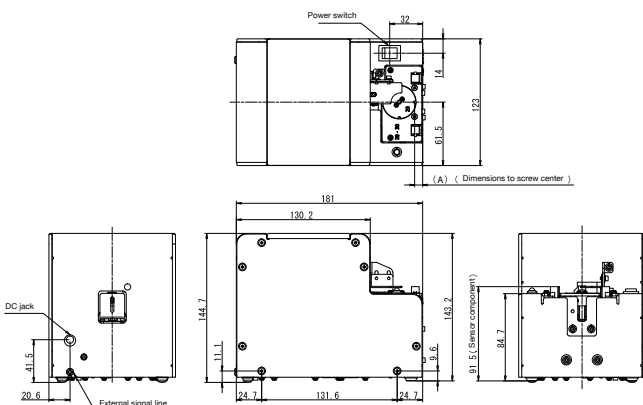
Model Diagrams

Full diagrams of each model can be downloaded from our website.

NSBI Series



NSRI Series



Specifications

Model name	NSBI	NSRI	NSRI-B
Exterior dimensions	123(W)×181(D)×145(H)		
Volume (including the rail)	Approx. 3.0kgf		
Power	AC100V ~ 240V DC15V 1A AC adapter		
Drive motor	DC brush motor · Stepper motor		DC brushless motor · Stepper motor
Overload protection/recovery circuit	○	○	○
External signal line	○	○	○
Escaper S-shape controlling function	○	○	○
Escaper rotation time lag adjustment function	-	-	○
Yield time	Approx. 0.9sec		
Supported screw diameter	M1.0 ~ M3.0		
Supported screw under-head length	Up to 20 mm in length		
Screw capacity	Approx. 80cc		
Accessories and bundled items	Instruction manual, AC adapter, hex wrench, adjusting screwdriver, earth wire		