OHTAKE



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Automatic Screw / Bolt Presenter General Catalog

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Features of **OHTAKE Automatic Screw / Bolt Presenters**

OHTAKE's automatic screw presenters make use of a horizontal rail system, which supports a wide range of screw materials and shapes, diverse workstyles, and workpiece dimensions. This unique mechanism and advanced technology can hugely contribute to the efficiency of your production line.



Compatible with line changes for adjustments to screw diameter and shape, significantly improving QC and productivity

Automatic screw presenters dramatically increase the speed of tightening screws. Through ease of use and employing the world's first swappable rail mechanism, these devices allow you to work with screws of varying diameters and formats. Even if changing a workpiece entails different screw diameters, all you need to do is swap in a new rail. There is no need to replace the present mechanism itself, reducing equipment costs. The horizontal rail mechanism offers speedy and stable screw feeding, highly versatile design, and ease of use in our OHTAKE automatic screw presenters, driving highly efficient screw-tightening work.

Fixed-Quantity Pick Up





Fixed-Point Pick Up





Supports screws with washers and special formats

The horizontal rail enables the smooth presenting of numerous types of special screws, including those with washers and with short under-head lengths.



Other key features

- · Easy to handle and operate: Simply install to get up and running. All you have to do is push the power switch.
- · Adding screws is a snap. Simply insert in bulk in the scooping chamber
- · It takes only 5 seconds with a single hex wrench to swap the rail and accommodate the screw diameter changes (NJ/NSB type). Simply loosen the rail-tightening screws, swap in a new rail, and adjust the position while tightening the screws back into place.
- In the event that too many screws are inserted or have become clogged, the unit automatically cuts the power to the drive motor and shuts off.



The horizontal rail provides a stable, orderly array of screws

Unlike gravity-based present mechanisms, this one uses vibration to convey screws in a horizontal rail, doing away with problems like screw-clogging and allowing stable presenting, even for screws with attached washers.



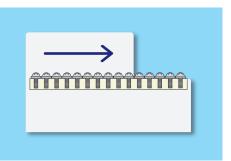
The average screw present time is 2 per second

Achieve a three- to fivefold increase in working speed based on traditional manual work. Average screw pick up of 2 per second greatly improves working efficiency.

Supports standard bits from various screwdriver manufacturers

No need to attach a specialized bit to electric screwdrivers. Simply use the standard bits you are accustomed to using. Bring magnetized bits perpendicular with the V-shaped groove of the bit guide, engaging the screw head and allowing it to be caught by simply pulling it close. Supports suctionstyle screwdrivers.







Makes work easier

Now you can tighten screws with one hand, improving the stability and efficiency of assembly work.



Accommodate different screw diameters by simply swapping rails

It supports numerous screw types with ease-all you need to do is to swap in the rail for a given screw diameter. For example, NSB models support up to 8 screw diameters in a single device.

Some models require exchanging parts in addition to swapping the rail.







Select by use

First, select from "manual," "robotic," or "fixed-quantity pick up."



Select models based on the diameter of the workpiece (as indicated by <).

3 Select by workpiece length (based on the longest ones)

Select models based on the length of the workpieceunder-head length for feeders and total length for screw hoppers.



Find details on the

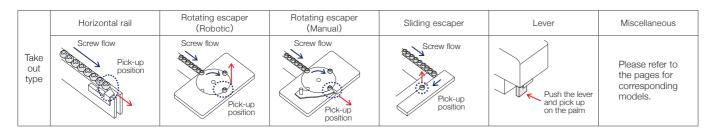
Select models based on the material of the workpiece.

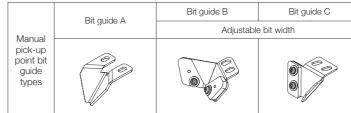
product pages

List of Models

1						2	2											3	4					
Use	Series	Appearance	Model	S0.5	141.0		 T		ew and	1	<u> </u>						140.0	Supported screw/bolt maximum under-head	Supported materials	Capacity	Picking up type	Drive method	Supported screw hopper	
				-S1.0	M1.0	M1.2	M1.4	MI.7				M3.0	M3.5	M4.0	M5.0	M6.0	M8.0	length	materiale			motriou	поррог	
			NJ-23 NJC-23						•	•	•	•						18mm						w
			NJL-23						•			•						25mm			Rail	Cam	NJ-80 / T-510J /	
	NJ	15	NJ-45										•	•		Special				150cc	+ bit guide A	(not adjustable)	RHP-160J / *MHP-80J	
			NJC-45															18mm				aujustable)	10111 0003	W
			NJL-45										•		•			25mm						ļ
	NSB	香	NSB																		Rail			
	INSD		NSBC		•	•	•	•	•	•	•	•						20mm	Ferrous/non-ferrous (irrespective of	80cc	+ bit guide B	Cam (screw- adjustable)	SR-80 / T-510S / *MHP-80S	W
Manual	NSBI	1	NSBI		•	•	•	•	•	•	•	•							material)		Rotating escaper + bit guide B	aujustable)	Wi II -003	
Manual		P .	SS-12					•													Rail			
	SS		SS-23							•	•	•									+ bit guide C			
			SSI-12M		•	•	•	•	•									16mm		40cc	Rotating escaper	-	None	
	SSI-M		SSI-23M							•	•										+ bit guide B	Solenoid		
			OM-26M							•	•	•	•									(VOL		
	OM-26M		OM-26M (T063)						•	•	•	•	•	•	•	•		25mm	Iron only Stainless: No	300cc	Rotating escaper + bit guide A	adjustment)	RHP-160M / *MHP-80M	R qua
		44	LS25-HM															25mm	(Uses magnet)	1300cc	Rotating escaper			R
	LS-HM	all	LS50-HM									•	•	•	•	•	•	50mm		1000cc	+ bit guide D		None	qua (
			NJR-23 NJRL-23						•	•	•	•						18mm 25mm				Cam	NJ-80 / T-510J /	
	NJR	1.4	NJR-45	-			-	-					•	•		Special		18mm		150cc	Slide	(not	RHP-160J / *MHP-80J	
			NJRL-45													Special		25mm				adjustable)	MHP-80J	
	NSR	-#	NSR		•	•	•	•	•	•	•	•						20mm	Ferrous/non-ferrous (irrespective of	80cc	Slide	Cam (screw-	SR-80 / T-510S /	
	NSRI		NSRI		•	•	•	•	•	•	•	•						201111	material)	8000	Rotating escaper	adjustable)	*MHP-80S	
Robotic		and a second	SSI-12R																					
11000010	SSI-R		SSI-23R								•	•						16mm		40cc	Rotating escaper		None	
			OM-26R						•	•	•	•	•	•	•	•						-		
	OM-26R		OM-26R (T063)						•	•	•	•	•	•	•	•		25mm	Iron only Stainless: No	300cc	Rotating escaper	Solenoid (VOL	RHP-160M / *MHP-80M	R qua
	LS-HR	at	LS25-HR										•				•	25mm	(Uses magnet)	1300cc	Detetion	adjustment)	Nana	R
	L2-HK	7	LS50-HR									•	•	•	•	•	•	50mm		1000cc	Rotating escaper		None	qua (
	MSF		MSF	•														5mm	Ferrous/non-ferrous (irrespective of material)	15cc	Rotating escaper		None	
			FM-36									•	•	•	•	•			Ferrous/non-ferrous			Cam	NJ-80F / T-510F /	
Fixed-	FM-36	Si .	FME-36									•	•	•	•	•		25mm	(irrespective of material)	150cc	Lever	(not adjustable)	RHP-160F / *MHP-80F	Cor
quantity pick up	1.1.4		LV25									•	•	•	•	•	•	25mm	Iron only	1300cc	Lever	Solenoid	News	R
	LV		LV50									•	•					50mm	Stainless: No (Uses magnet)	1000cc	Miscellaneous	(VOL adjustment)	None	qua

**For the screw hoppers, the compatible length of the screw may differ from that of the feeder it is combined with. Please check the compatibility before use. *Depending on the shape of the screw, the screw hopper may not be compatible with it.





3

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*MHP-80 is only compatible with iron screws (due to the use of a magnet).



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Signals obtained from signal line

Automatic screw feeder's AC adapter plug formats

NJ/NJR Series **All-Around Screw Presenter**

Supports wider screw diameters than the NS/NSR series and has greater capacity, making it even more useful.





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

Manual NJ-23 NJ-45 NJL-23 NJL-45 NJC-23 NJC-45

Robotic NJR-23 NJR-45 NJRL-23 NJRL-45

• Supports standard bits from various screwdriver manufacturers

- Bit screwdrivers
- Suction screwdrivers

Large stock

Supports a stock of 150cc.

• Special screws supported

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

• Long-running operation when combined with screw hopper

Use a screw hopper for long-running unmanned operations.

Smooth screw feeding

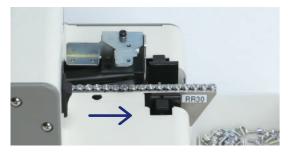
- Provides ongoing, timely presenting of screws to match robot operations.

- The NJ type allows the screw pick-up signal to be sent through an external outlet.

- The NSR type allows for a signal to be sent through an external outlet to notify whether a screw is present at a screw pick-up point.



NJ Series: Swap rail set (passing plate, rail)



Sample applications / NJ + RR (rail for robotic devices)

NJR Series: Swap rail set (passing plate, escaper, rail)



*NJ Series: Swap rail set (retainer plate for countersunk screws)

Swap rails in/out.

This single unit supports a wide range of screws. For example, the NJ-23 supports four types of screws in a single unit. Allows the angle of rail inclination to be adjusted based on the screw being used.

Example usage of combining NJ and RR rails

Use as a horizontal presenter for continuous presenting to robotic devices. If you are seeking the same functionality in a different model, please contact us.



Compatibility Table

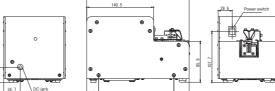
Supported screw diameter (mm)		Mai	n component t	уре		Swap rail set type					
	NJ Series	NJL Series	NJR Series	NJRL Series	NJC Series	NJ Series	NJL Series	NJR Series	NJRL Series	NJC Series	
2.0	NJ-2320	NJL-2320	NJR-2320	NJRL-2320	NJC-2320	R20SET	RL20SET	RR20SET	RRL20SET	R20SET	
2.3	NJ-2323	NJL-2323	NJR-2323	NJRL-2323	NJC-2323	R23SET	RL23SET	RR23SET	RRL23SET	R23SET	
2.6	NJ-2326	NJL-2326	NJR-2326	NJRL-2326	NJC-2326	R26SET	RL26SET	RR26SET	RRL26SET	R26SET	
3.0	NJ-2330	NJL-2330	NJR-2330	NJRL-2330	NJC-2330	R30SET	RL30SET	RR30SET	RRL30SET	R30SET	
3.5	NJ-4535	NJL-4535	NJR-4535	NJRL-4535	NJC-4535	R35SET	RL35SET	RR35SET	RRL35SET	R35SET	
4.0	NJ-4540	NJL-4540	NJR-4540	NJRL-4540	NJC-4540	R40SET	RL40SET	RR40SET	RRL40SET	R40SET	
5.0	NJ-4550	NJL-4550	NJC-4550	NJRL-4550	NJC-4550	R50SET	RL50SET	RR50SET	RRL50SET	R50SET	

Model Diagrams

Full diagrams of each model can be downloaded from our website

NJ Series NJ-23 / NJ-45 / NJL-23 / NJL-45





Specifications

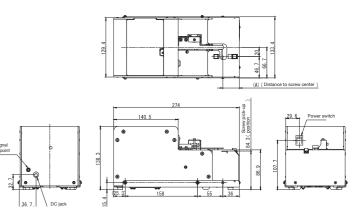
Model name	NJ-23	NJ-45	NJL-23	NJL-45	NJR-23	NJR-45	NJRL-23	NJRL-45	NJC-23	NJC-45	
Exterior dimensions		134(W)×21	5(D)×139(H)			134(W)×274	4(D)×139(H)		134(W)×215(D)×139(H)		
Volume (including the rail)		Approx	. 3.7kgf			Approx	. 4.4kgf		Approx. 3.7kgf		
Power				AC10	0V-240V DC	15V 1A AC ad	lapter				
Drive motor					DC brus	sh motor					
Overload protection/recovery circuit	0	0	0	0	0	0	0	0	0	0	
External signal line	0	0	0	0	0	0	0	0	0	0	
Brush-overload protection mechanism	0	0	0	0	0	0	0	0	0	0	
Yield time	-	-	-	-		Approx. 1.5sec	;		-	-	
Supported screw diameter	φ 2.0-φ 3.0	φ 3.5-φ 5.0	φ 2.0-φ 3.0	φ 3.5-φ 5.0	M2.0 - M3.0	M3.5 - M5.0	M2.0 - M3.0	M3.5 - M5.0	M2.0 - M3.0	M3.5 - M5.0	
Supported screw under-head length	Up to 18 mm in length		Up to 25 mm in length		Up to 18 m	Up to 18 mm in length		im in length	Up to 18 mm in length		
Screw capacity		Approx. 150cc									
Accessories and bundled items		Instruction manual, AC adapter, hex wrench, adjusting screwdriver, earth wire									

*If you are looking for equivalent parts for other models, please inquire.

NJC-23 NJC-45

With a Counter

NJR Series NJR-23 / NJR-45 / NJRL-23 / NJRL-45



NSB / NSR Series Versatile Screw Presenter

Swapping rails allows you to accommodate various screw diameters with a single unit. Almost no screw is incompatible.





Screws are moved smoothly, and durability has been improved dramatically

 \langle Improved screw chamber \rangle

Reduces strain on the motor for more efficient screw alignment.

 \langle Adjustable rail angle \rangle

Allows the angle of rail inclination to be adjusted based on the screw being used.

 \langle Amplitude adjustment \rangle

Allows for calibrating amplitude based on the type of screw being used.

 \langle No side-to-side vibration \rangle

Alleviates side-to-side rail vibration to achieve smooth screw conveyance.

Other key features

- Compact size does not take up space.
- Use a screw hopper for higher capacity.

- The NSB type allows for a screw pick-up signal to be sent through an external outlet.

- The NSR type allows for the sending out of a signal to notify whether a screw is present at a screw pick-up point through an external outlet.

A single unit supports 8 different screw diameters.

- The NSB type supports 8 types of screw diameters through simple rail-swapping (8 types: from M1.0 to M.30 by default).

- The NSR type supports this through simply swapping the rail and escaper. Clean up oil and other stains easily by removing the rail from behind.





NSR rails and escapers

One-touch rail-swapping

Swapping rails based on changes in screw diameter is easy (NSB type).



Manual Type Robotic Type

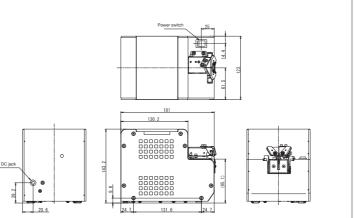
Compatibility Table

Supported screw	Mai	n component t	ype	Swap rail set type				
diameter (mm)	NSB Series	NSR Series	NSBC Series	NSB Series	NSR Series	NSBC Series		
1.0	NSB-10	NSR-10	NSBC-10	SR10SET	SRR10SET	SR10SET		
1.2	NSB-12	NSR-12	NSBC-12	SR12SET	SRR12SET	SR12SET		
1.4	NSB-14	NSR-14	NSBC-14	SR14SET	SRR14SET	SR14SET		
1.7	NSB-17	NSR-17	NSBC-17	SR17SET	SRR17SET	SR17SET		
2.0	NSB-20	NSR-20	NSBC-20	SR20SET	SRR20SET	SR20SET		
2.3	NSB-23	NSR-23	NSBC-23	SR23SET	SRR23SET	SR23SET		
2.6	NSB-26	NSR-26	NSBC-26	SR26SET	SRR26SET	SR26SET		
3.0	NSB-30	NSR-30	NSBC-30	SR30SET	SRR30SET	SR30SET		

Model Diagrams

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

NSB Series



Specifications

Model name	NSB	NSR	NSBC					
Exterior dimensions		123(W)×181(D)×145(H)						
Volume (including the rail)	Approx. 2.9kgf	Approx. 3.0kgf	Approx. 2.9kgf					
Power		AC100V – 240V DC15V 1A AC adapter						
Drive motor		DC brush motor						
Overload protection/recovery circuit	0	0	0					
External signal line	0	0	0					
Escaper electric break function	-	0	-					
Yield time	-	Approx. 1.5sec	-					
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, 0.35 mm gauge plate, earth wire	Instruction manual, AC adapter, hex wrench, adjusting screwdriver, earth wire	Instruction manual, AC adapter, hex wrench, adjusting screwdriver, 0.35 mm gauge plate, earth wir					

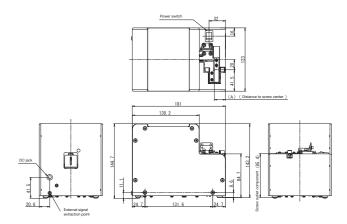
With a Counter





NSBC

NSR Series



NSBI / NSRI Series **Versatile Screw Presenter**

High-Precision, High-Speed, and High-Durability



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 pick up.

• Special screws supported

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

• Dramatic improvements in motor durability

NSRI-B includes a brushless motor, which has a greatly improved lifecycle (3x greater).

• Flexible support for line changes

Supports screws of varying diameters. Easy installation and the portable size allow you to adapt to line or workpiece changes effortlessly.



Compatibility Table

Supported screw	Mai	n component t	уре	Swap rail set type				
diameter (mm)	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

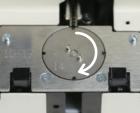
DC jac



installation example

NSRI-B robotic device installation example - Easy installation-simply drop it into place-makes

maintenance and replacement easy. - NSRI/NSRI-B: Features a signal to notify whether a screw is at the pick-up point.



Rotating escaper





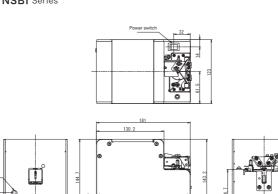
- < High-speed screw supply > Rotating escaper accurately separates screws and supplies them at a high speed.

- \langle Supports low-profile screws \rangle

Supports screws with as low a profile as 0.35mm by default (or 0.2mm by special order).

- < Clogging-free mechanism >

Separates screws one at a time, ensuring they do not clog at the pick-up outlet.



Specifications

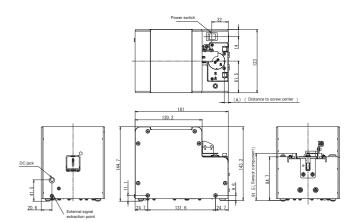
Model name	NSBI	NSRI	NSRI-B					
Exterior dimensions		123(W)×181(D)×145(H)	<u>.</u>					
Volume (including the rail)		Approx. 3.0kgf						
Power	AC100V – 240V DC15V 1A AC adapter							
Drive motor	DC brush motor	DC brush motor, stepper motor						
Overload protection/recovery circuit	0	0	0					
External signal line	0	0	0					
Escaper S-shape controlling function	0	0	0					
Escaper rotation time lag adjustment function	-	-	0					
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							

With Brushless Motor



NSRI-B

NSRI Series NSRI / NSRI-B



OM-26M / OM-26R Series High-Speed and High-Capacity Iron-Screw Presenter

High-capacity model: 300cc (only supports iron screws)





Robotic OM-26R OM-26RB (With brushless motor)

• Features a rotary escaper

Separates screws one at a time, ensuring they do not intersect for smooth pick up.

• Supports standard bits from various screwdriver manufacturers

- Bit screwdrivers
- Suction screwdrivers

• Large capacity: 300 cc

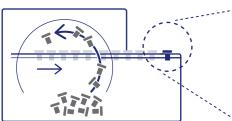
Supports a stock of approx. 780 M3.0 x 12mm washerfaced screws.

• Special screws supported

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

Dramatic improvements in motor durability

OM-26RB is equipped with a brushless motor, which has a greatly improved lifecycle (3x greater).



Magnetically conveys screws along rails for a stable feeding



Rotating escaper

High-capacity screw stock (4x that of the NSB type)

Magnetically conveys screws along rails for a stable feed. Its design prevents screws from getting stuck. The rotating escaper also isolates screws one at a time to prevent picking-up errors.



Optional: quantity sensor

OM-26R/M screw quantity sensor (TKA09452) This is a screw quantity sensor (TKA09452) intended for use with the OM-26R/M Series Automatic Screw Feeder. Combine with the OM-26R/M to detect when the screw stock is low and send a signal. Please contact us regarding quantity sensors for other products.



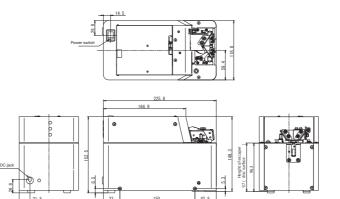
Compatibility Table

Supported screw	Mai	n component t	ype	Swap rail set type					
diameter (mm)	OM-26M Series	OM-26R Series	OM-26RB Series	OM-26M Series	OM-26R Series	OM-26RB Series			
2.0	OM-26M20	OM-26R20	OM-26RB20	OMM20SET	OMR20SET	OMR20SET2			
2.3	OM-26M23	OM-26R23	OM-26RB23	OMM23SET	OMR23SET	OMR23SET2			
2.6	OM-26M26	OM-26R26	OM-26RB26	OMM26SET	OMR26SET	OMR26SET2			
3.0	OM-26M30	OM-26R30	OM-26RB30	OMM30SET	OMR30SET	OMR30SET2			
3.5	OM-26M35	OM-26R35	OM-26RB35	OMM35SET	OMR35SET	OMR35SET2			
4.0	OM-26M40	OM-26R40	OM-26RB40	OMM40SET	OMR40SET	OMR40SET2			
5.0	OM-26M50	OM-26R50	OM-26RB50	OMM50SET	OMR50SET	OMR50SET2			
6.0	OM-26M60	OM-26R60	OM-26RB60	OMM60SET	OMR60SET	OMR60SET2			

Model Diagrams

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

OM-26M Series



Specifications

Model name	OM-26M	OM-26R	OM-26RB			
Exterior dimensions		119(W)×226(D)×152(H)	·			
Volume (including the rail)		Approx. 3.1kgf				
Power		AC100V - 240V DC15V 1A AC adapter				
Drive motor	DC brush mo	otor, stepper motor	DC brushless motor, stepper motor			
Overload protection/recovery circuit	0	0	0			
External signal line	0	0	0			
External signal line (remaining quantity sensor)	Optional					
Escaper S-shape controlling function	0	0	0			
Escaper rotation time lag adjustment function	-	-	0			
Yield time		Approx. 0.8sec	·			
Supported screw materials		Iron-only				
Supported screw diameter		M2.0 - M6.0				
Supported screw under-head length		Up to 25 mm in length				
Screw capacity		Approx. 300 cc				
Accessories and bundled items	Instruction manual, AC adapter, hex wrench, adjusting screwdriver, earth wire					

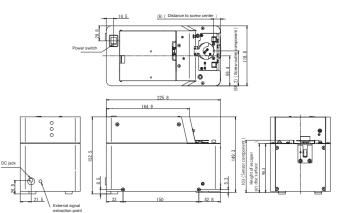






OM-26RB

OM-26R Series OM-26R / OM-26RB



MSF Series Micro-Screw Presenter

Supports screws as small as S0.5



Robotic MSF

SS Series Slim Screw Presenter

Super-thin 55mm width is ideal for cell work



Specifications

Model name	MSF		
Exterior dimensions	71(W)×194(D)×132(H)		
Volume (including the rail)	Approx. 2kgf		
Power	AC100V – 240V DC15V 1A AC adapter		
Drive motor	DC brush motor, stepper motor		
External outlet terminal	0		
Supported screw diameter	S0.5 - S1.0		
Supported screw under-head length	1 — 5mm		
Screw capacity	Approx. 15cc		
Accessories and bundled items	Instruction manual, AC adapter, hex wrench, adjusting screwdriver, earth wire		

Compatibility Table

Supported screw diameter (mm)	Main component type MSF Series
0.5	MSF-05
0.6	MSF-06
0.7	MSF-07
0.8	MSF-08
1.0	MSF-10

Accurately and reliably isolates tiny screws

Rotating escaper isolates even tiny screws one by one.

• Slim, space-saving design

Compact, 70mm-wide design saves space.

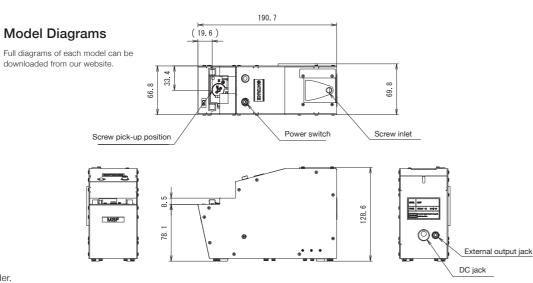
Simple installation

No need for complex and time-consuming installation — just set it in place

Example of installation for a robotic device

-Easy installation makes maintenance and replacement easy.
-Features a signal to notify whether a screw is at the pick-up point.
-Rotating escaper ensures accurate screw feed.







Specifications

Model name	SS-12 SS-23		
Exterior dimensions	55(W)×205(D)×143(H)		
Volume (including the rail)	Approx. 2.4kgf		
Power	AC100V - 240V DC15V 1A AC adapter		
Drive motor	DC brush motor		
Overload protection/recovery circuit	0 0		
Supported screw diameter	M1.0 - M2.0 M2.3 - M3		
Supported screw under-head length	Up to 16 mm in length		
Screw capacity	Approx. 40 cc		
Accessories and bundled items	Instruction manual, AC adapter, hex wrench, adjusting screwdriver, earth wire		

Compatibility Table

Supported screw	SS Series			
diameter (mm)	Main component type	Swap rail set type		
1.0	SS-1210	WR10		
1.2	SS-1212	WR12		
1.4	SS-1214	WR14		
1.7	SS-1217	WR17		
2.0	SS-1220	WR20		
2.3	SS-2323	WR23		
2.6	SS-2326	WR26		
3.0	SS-2330	WR30		
	· · · · · · · · · · · · · · · · · · ·	-		

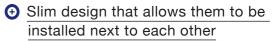
Model Diagrams SS-12 / SS-23

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

	5	
'⊚	6	
۲	P	23.5
Ð	/	33
DC jack	/	10.2

*Please inquire prior to placing an order.

Supported diameter M1.0-M3.0	Supported under-head length Longest: 16mm	Capacity Approx. 40 cc	Non-ferrous materials: supported
*For details, plea	se refer to each produ	ict's specification	ns.
Manual	S-12 SS-23		



In less than half the width of the NJ/NS series, for the space of a single NSB series model, for example, you can fit two units.

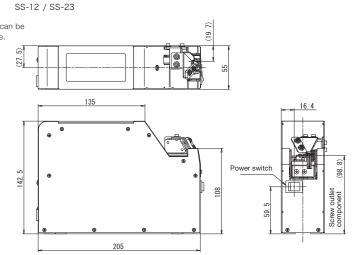
• Supports low profile screws

Adjust sensor to support screw heads as low as (factory setting:0.5mm)

Adjustable screw conveyor speed

Calibrate amplitude and frequency to achieve the ideal feed speed.





SSI-M / SSI-R Series Slim Screw Presenter

Compact size supports a wide range of assembly workflows and fits anywhere



• Slim, space-saving design

M1.0-M3.0

Compact, 65mm-wide design saves space.

Stable rail movement without clogging

Horizontal rail system prevents screws from clogging or overlapping, achieving stable presenting.

Longest:

16mm

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

Manual SSI-12M SSI-23M

Robotic SSI-12R SSI-23R

Capacity

Approx.

40cc

Non-ferrous materials:

supported

Integrated output designed for use with general counters

Send pick-up signal from output jack to connect a general-purpose counter.

Manual Type



SSI-12M SSI-23M

Compatibility Table

Supported screw	Main component type		Swap rail set type	
diameter (mm)	SSI-M Series	SSI-R Series	SSI-M Series	SSI-R Series
1.0	SSI-12M10	SSI-12R10	SIM10SET	SIR10SET
1.2	SSI-12M12	SSI-12R12	SIM12SET	SIR12SET
1.4	SSI-12M14	SSI-12R14	SIM14SET	SIR14SET
1.7	SSI-12M17	SSI-12R17	SIM17SET	SIR17SET
2.0	SSI-12M20	SSI-12R20	SIM20SET	SIR20SET
2.3	SSI-23M23	SSI-23R23	SIM23SET	SIR23SET
2.6	SSI-23M26	SSI-23R26	SIM26SET	SIR26SET
3.0	SSI-23M30	SSI-23R30	SIM30SET	SIR30SET

Model Diagrams

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

SSI-M Series SSI-12M / SSI-23M

tenal output jack

Specifications

Model name	SSI-12M	SSI-23	
Exterior dimensions			
Volume (including the rail)	Appro	x. 3.3kgf	
Power		AC10	
Drive motor			
Overload protection/recovery circuit	0	0	
External outlet terminal	0	0	
Escaper S-shape controlling function	0	0	
Yield time			
Supported screw diameter	M1.0 - M2.0	M2.3 -	
Supported screw under-head length		-	
Screw capacity			
Accessories and bundled items	Instruction manual, AC		

Rear part description



Escaper

< High-speed screw supply >
 Rotating escaper accurately separates screws and supplies them at a high speed.

- \langle Supports low-profile screws \rangle

Supports screws with as low a profile as 0.35mm by default (or 0.2mm by special order).

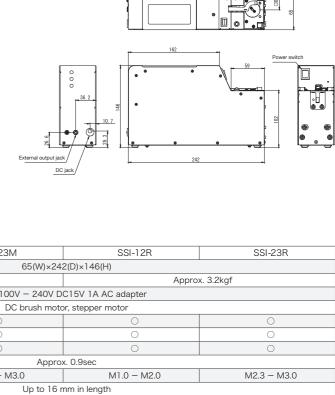
< Clogging-free mechanism >
 Separates screws one at a time, ensuring they do not clog at the pick-up outlet.



Rotating escaper



SSI-R Series SSI-12R / SSI-23R



Approx. 40cc

adapter, hex wrench, adjusting screwdriver, earth wire

FM Series

Fixed Quantity Count / External Configuration Type Screw Presenter



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

Fixed-quantity pick up FM-36 FME-36 (External configuration)





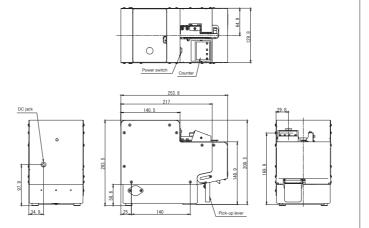
Compatibility Table

Supported screw	Main component type		Swap rail set type
diameter (mm)	FM Series	FME Series	FM/FME
3.0	FM-3630	FME-3630	FR30SET
3.5	FM-3635	FME-3635	FR35SET
4.0	FM-3640	FME-3640	FR40SET
5.0	FM-3650	FME-3650	FR50SET
6.0	FM-3660	FME-3660	FR60SET

Model Diagrams

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

FM-36 Series



Specifications

Model name	FM-36	FME-36		
Main component exterior dimensions	130(W)×25	4(D)×201(H)		
Main component volume (including the rail)	Approx	x. 6.0kgf		
Main component power supply	AC100V - 240V D	C15V 1A AC adapter		
Drive motor	DC brus	sh motor		
Overload protection/recovery circuit		0		
External signal line	0			
Brush-overload protection mechanism	0			
Number configuration	Maximum of 99 Maximum of 127			
Supported screw diameter	M3.0 - M6.0			
Supported screw under-head length	Up to 25 n	nm in length		
Screw capacity	Approx. 150cc			
Accessories and bundled items	Instruction manual, AC adapter, hex wrench, adjusting screwdriver, earth wire			
Extension box exterior dimensions	- 155(W)×113(D)×44(H)			
Extension box power supply	- AC100V - 240V DC24V 1.9A AC adapter			

*Note that some screw sizes may not support pick up of 99 units.

Accurately presents a set number of screws



Accurately presents the number of screws input to counter

Set between 1 and 99. Accurately counts and expels the number you set.

• <u>Stable rail movement without clogging</u>

Horizontal rail system prevents screws from clogging or overlapping, achieving stable presenting.

• Flexibly supports line changes

Supports screws of varying diameters. Easy installation and the portable size allow you to adapt to line or workpiece changes effortlessly.

Long-running operation when combined with screw hopper

FM unit has capacity of 150cc-add screw hopper for additional 400-1600cc stock.

Counter

Set number of screws between 0–99
Set number of times between 0–9999
External pick-up signal
Power outage memory protection feature



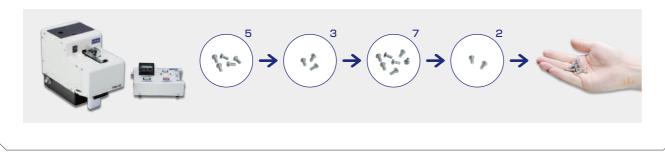
Fixed-quantity pick up with nut support

By special order, we can consider the fixed-quantity nut pick up model. Please do not hesitate to contact us.



Connect to unit for variable pick-up quantity (FME-36)

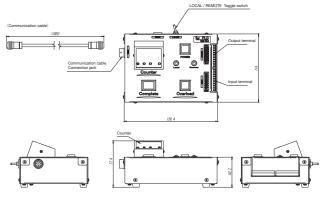
Change the setting using a PLC of a variety of manufacturers. *The PLC interface (NEX-PLC) is exclusively for use with the FME-36.

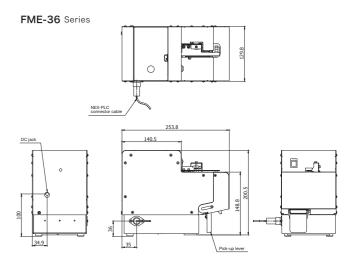


Fixed-quantity pick up with PLC support



NEX-PLC





LS / LV / LF Series Large, Longneck Screw Presenter

Supports screws and bolts with a diameter of up to M8.0 and an under-head length of 50mm. Ideal for presenting screws and bolts for automotive assembly, construction, and renovation.



Manual	LS25-HM LS-50HM
Robotic	LS25-HR LS-50HR
Fixed-quantity pick up	LV25 LV50 LF50

• Large capacity

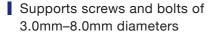
High-capacity stock: between 1000-1300cc

• Capable of supporting a range of needs

Comes with six patterns that you can select based on the type of workpiece and the intended use. (Please refer to the suggested pick-up patterns described below)

Rivets supported

Fixed-quantity alignment of rivets is supported. Work efficiency is greatly improved because there is no need to reorient rivets by hand.



Achieves a stable, horizontal feed even for large workpieces. Configure up to 999 pieces. No need to check the screw quantity each time.



Suggested pick-up patterns

Manual

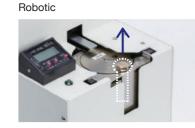


LS25-HM/LS50-HM

Fixed-quantity



LV25-H/LV50-H



LS25-HR/LS-50HR



LV25-B/LV50-B



Present fixed quantity to rail



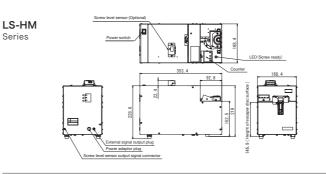
LF50

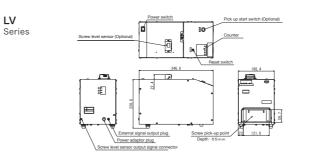


Compatibility Table

			Main comp	onent type		
Supported screw	LS-HM Series		LS-HR Series		LV Series	
diameter (mm)	Up to under- head length of 25mm	Up to under- head length of 50mm	Up to under- head length of 25mm	Up to under- head length of 50mm	Up to under- head length of 25mm	Up to under- head length of 50mm
3.0	LS25-HM30	LS50-HM30	LS25-HR30	LS50-HR30	LV25-30	LV50-30
3.5	LS25-HM35	LS50-HM35	LS25-HR35	LS50-HR35	LV25-35	LV50-35
4.0	LS25-HM40	LS50-HM40	LS25-HR40	LS50-HR40	LV25-40	LV50-40
5.0	LS25-HM50	LS50-HM50	LS25-HR50	LS50-HR50	LV25-50	LV50-50
6.0	LS25-HM60	LS50-HM60	LS25-HR60	LS50-HR60	LV25-60	LV50-60
8.0	LS25-HM80	LS50-HM80	LS25-HR80	LS50-HR80	LV25-80	LV50-80

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





Specifications

Model name	LS25-HM	LS50-HM	LS25-HR	LS50-HR	LV-25	LV-50	LF-50
Exterior dimensions	169(W)×354(D)×229(H)			169(W)×34	7(D)×229(H)	169(W)×354(D)×229(H) Front rail protruding part : 136mm	
Volume (including the rail)				Appro	x. 15kgf		
Power			A	AC100V - 240V D	C15V 1A AC adap	oter	
Drive motor	DC brushless motor, DC brush motor						
Overload protection/recovery circuit	0	0	0	0	0	0	0
External outlet terminal	0	0	0	0	0	0	0
Safety function			Stop opera	tion when the cove	er of the stock cha	amber is open	
Supported screw diameter	M3.0 -	- M8.0	M3.0 -	- M8.0	M3.0 -	- M8.0	ϕ 2 – ϕ 2.6 (with record)
Supported screw under-head length	Up to 25 mm in length	Up to 50 mm in length	Up to 25 mm in length	Up to 50 mm in length	Up to 25 mm in length	Up to 50 mm in length	Up to 50 mm in length
Screw capacity	Approx. 1300cc	Approx. 1000cc	Approx. 1300cc	Approx. 1000cc	Approx. 1300cc	Approx. 1000cc	Approx. 1000cc
Accessories and bundled items		Instruction manual, AC adapter, hex wrench, adjusting screwdriver, earth wire					

*Please inquire prior to placing an order. You are required to check the work bit you are using.





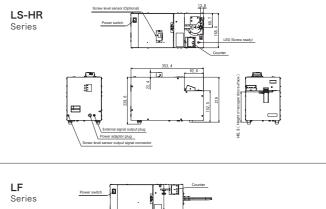


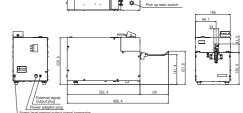
LV25-B LV50-B

LV25-H LV50-H

LF50

Supported screw	Main component type LF Series
diameter (mm)	Up to under-head length of 50mm
2.0	LF50-20
2.2	LF50-22
2.6	LF50-26

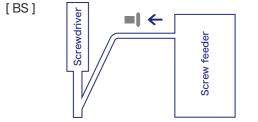




BS Series **Pneumatic Screw Feeder**

Pneumatically feeds screws to their destination in an instant.

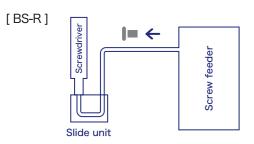




- Screws are pneumatically fed by request through an external signal.

- Screws are fed to the screwdriver's Y pipe with the screw side at the front.

- It is compatible with the robotic and manual screwdrivers.



- Screws are pneumatically fed by request through an external signal.

- Placing the screw-feeding part of the slide unit near the screwdriver can shorten the time it takes to feed screws to the screwdriver.

- Screws are fed with the head at the front.

- It is compatible with screw-tightening robots.



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

Manual	BS-D
Robotic	BS(S) BS(L) BS-P BS-R
Fixed-quantity pick up	BS-C
*BS_P irrespective of material /	Other models only for iron screws

ective of material / Other models only for iron screws

• Uses air pressure to convey screws to distant locations

Brings screws right to you using air pressure, dramatically improving work efficiency.

*The default hose is 2.5 meters long and requires air tubing to be installed.

Space-saving, high-capacity model

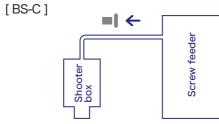
Separating the screw feed from pick-up points allows for a space-saving design.

• Four types based on different needs

BS (manual and robotic): Pneumatically feeds screws in response to an external signal.

BS-R (robotic pick up): Sliding unit conveys screws to screwdriver pneumatically, greatly cutting down on yield time. BS-C (fixed-quantity bulk pick up): Pick up the set quantity with the counter and it allows for pick up by simply pulling the lever.

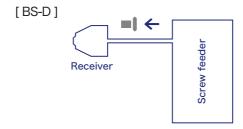
BS-D (fixed-quantity single pick up): Pick up the set number of screws and bolts one at a time next to your hand.



- Fixed quantities of screws are picked up in bulk.

- The screw feeder can be placed outside the workspace, saving more space for work.

- Fixed quantity pick up can prevent screw-tightening being forgotten.



- Fixed quantities of screws are picked up one at a time.

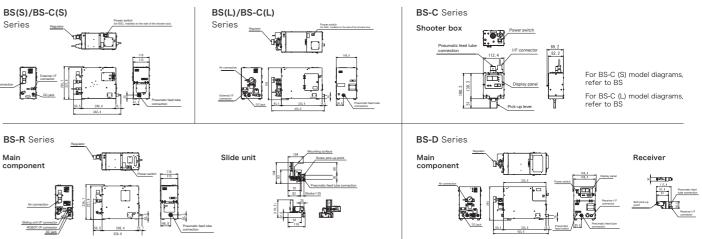
- The screw feeder can be placed outside the workspace, saving space for work.
- It feeds the screw next to the hand doing the screwtightening work.
- Fixed quantity pick up can prevent screw-tightening being forgotten.

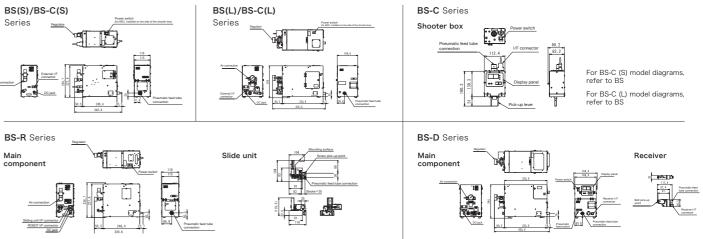


Compatibility Table

	Main component type						
Supported screw	BS Series		BS-R Series	BS-D Series	BS-C Series		
diameter (mm)	Scooping chamber capacity: approx. 280cc	Scooping chamber capacity: approx. 1300cc	-	-	Scooping chamber capacity: approx. 280cc	Scooping chamber capacity: approx. 1300cc	
2.0	BS-S20	BS-L20	BS-R20	-	BS-CS20	BS-CL20	
2.3	BS-S23	BS-L23	BS-R23	-	BS-CS23	BS-CL23	
2.6	BS-S26	BS-L26	BS-R26	-	BS-CS26	BS-CL26	
3.0	BS-S30	BS-L30	BS-R30	BS-D30	BS-CS30	BS-CL30	
3.5	BS-S35	BS-L35	BS-R35	BS-D35	BS-CS35	BS-CL35	
4.0	BS-S40	BS-L40	BS-R40	BS-D40	BS-CS40	BS-CL40	
5.0	BS-S50	BS-L50	BS-R50	BS-D50	BS-CS50	BS-CL50	
6.0	BS-S60	BS-L60	-	BS-D60	BS-CS60	BS-CL60	

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

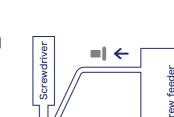




Specifications

Model name	BS-S	BS-L	BS-CS	BS-CL	BS-D	BS-P	BS-R
Exterior dimensions	118(W)×310(D)× 237(H)	169(W)×436(D)× 270(H)	118(W)×310(D)× 237(H)	169(W)×436(D)× 270(H)	169(W)×436(D)× 270(H)	175(W)×304(D)× 186(H)	118(W)×310(D)× 237(H)
Volume (including the rail)	Approx. 4kgf	Approx. 10kgf	Approx. 5kgf	Approx. 12kgf	Approx. 12kgf	Approx. 4kgf	Approx. 4.6kgf
Power			AC100V	/ - 240V DC15V 1A AC	adapter		
Air				0.5MPa MAX 400L/mir	ı		
Drive motor				DC brushless motor			
Pneumatic screw-feeding direction							
Overload protection/recovery circuit	0	0	0	0	0	0	0
External interface	O (D-SUB 9pin)	 (D-SUB 9pin) 	-	-	-	O (D-SUB 9pin)	O (D-SUB 9pin)
Yield time		M6X25/3M Approx. 2 seconds by tube				Approx. 1.2sec	Approx. 1.5sec
Supported screw diameter		M2.0 -	- M6.0		M3.0 - M6.0	M1.0 - M3.0	M2.0 - M5.0
Supported screw under-head length		Up to 25 m	m in length		Up to 10 – 25mm in length	Up to 12 mm in length	Up to 14 mm in length
Supported total length of screw			Lengt	h/head diameter = 1.3 c	r more		
Screw capacity	Approx. 280cc	Approx. 1300cc	Approx. 280cc	Approx. 1300cc	Approx. 1300cc	Approx. 80cc	Approx. 280cc
Accessories and bundled items		Instruction manual, A	AC adapter, hex wrench	adjusting screwdriver,	earth wire, pneumatic fe	ed tube (2.5 meters)	
Accompanying unit	-	-	Shooter box Form : 113(W)×82(D)×140(H) Capacity: Approx. 20 for M6X25		Receiver Form : 30(W)×52(D) ×120(H)	-	Slide unit Form : 116(W)× 144(D)×(120H)

*Please inquire prior to placing an order.



Enables Long-Running Screw Presenting **Screw Hopper**

A sensor detects the screw stock to automatically feed the optimal amount of screws. Use this to make operation easier.



Installation example < NJ-80 + NJR > -80 + NSRI >

SR-80/NJ-80 Rear-attaching Impeller Type

- Easy installation-simply line it up next to the screw presenter. It will not take up space on the upper surface.

- Super compact model fits anywhere, yet has room for a screw stock of 800cc.

- Use the timer to set the impeller's operation time.

Compatibility Table

SR-80	Supported screw presenter		Supported		NJ-80 model	Supported
Model number			Model number	screw presenter		
SR-80	NSB / NSR / NSBI / NSRI / NSRI-B		NJ-80	NJ /NJR		
5R-00			NJ-80F	FM-36 / FME-36		

Stock capacity based on the diameter and length of the screw for 800cc: M2.3 x 5, approx. 20,000; M3.0 x 6, approx. 5,600





RHP-160 Side - and Rear-Attaching High-Capacity Impeller Type

- Easy installation-simply line it up next to the screw presenter.

- Supports a screw stock of approximately 1600cc.
- Use the timer to set the impeller's operation time.

Compatibility Table

RHP-160	Supported acrow presenter
Model number	Supported screw presenter
RHP-160J	NJ / NJR
RHP-160F	FM-36 / FME-36
RHP-160M	OM-26M / OM-26R / OM-26RB



Supporte

M1.0-M6.0



Capacity

Approx.

400-

1600cc

Supported length (total

Longest:

18/25mm

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

For iron screws

Non-ferrous

supported

T-510 Conveyor Style, Surface-Mounting Type

- Easy installation-simply align it on top of the screw presenter. - Does not take up floor space; allows you to add more stock vertically.
- Use the timer to set the conveyor belt's operation time.

Compatibility Table

T-510	Supported acrow presenter		
Model number	Supported screw presenter		
T-510S	NSB / NSR / NSBI / NSRI / NSRI-B		
T-510J	NJ / NJR		
T-510F	FM-36 / FME-36		

Stock capacity based on the diameter and length of the screw for 400cc: M2.3 x 5, approx. 10,000; M3.0 x 6, approx. 2,800





Installation example

MHP-80 Magnetic Style, Rear-Attaching Type

- Easy installation-simply line it up next to the screw presenter. It even supports long screws.

- Magnets are used to feed and convey screws.
- Use the timer to set the magnet operation time.

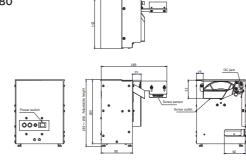
Compatibility Table

MHP-80	Supported corow presenter
Model number	Supported screw presenter
MHP-80S	NSB / NSR / NSBI / NSRI / NSRI-B
MHP-80J	NJ / NJR
MHP-80F	FM-36 / FME-36
MHP-80M	OM-26M / OM-26R / OM-26RB

Model Diagrams

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



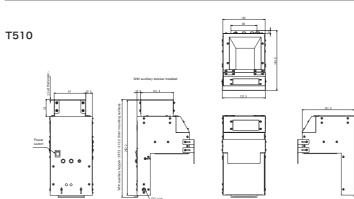








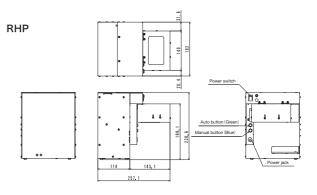
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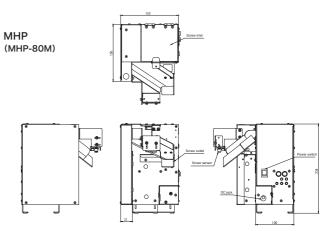


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Specifications

Model name	NJ-80	SR-80	T-510	RHP-160	MHP-80
Exterior dimensions	142(W)×191(D)× 188(H)	142(W)×191(D) ×189–198(H)	130(W)×171(D)×245(H) With auxiliary stocker installed 295(H)	192(W)×237(D)×240(H)	156(W)×150(D)×212(H)
Volume (including the rail)	Approx	. 2.9kgf	Approx. 3.1kgf	Approx. 5.5kgf	Approx. 2.9kgf
Power	AC1	100V-240V DC15V 1A A	C adapter	AC100V - 240V DC	C15V 1A AC adapter
Drive motor			DC brush motor		
External signal line (remaining quantity sensor)	-	-	0	-	O (Optional)
Safety function -		-	-	Stop operation when the cover of the stock chamber is open	-
Supported screw materials	-	-	-	-	Iron-only
Supported screw diameter	M2.0 -	– M6.0	M1.0 - M6.0	M2.0 - M6.0	M2.0 - M6.0
Supported screw under-head length	UP to 15 mm in length(T	otal length up to 18mm)		Up to 25 mm in length	
Screw capacity	Approx	. 800cc	Main component : Approx. 400cc auxiliary stocker : Approx. 400cc	Approx. 1600cc	Approx. 800cc
Accessories and bundled items	Instruction man screw splash- mounting plate, attaching		Instruction manual, auxiliary stocker, AC adapter, hex wrench, screw (M2.6 x 5), external signal line / mounting plate, attaching screws (only for T-510F)	Instruction manual, AC adapter, hex wrench / mounting plate, attaching screws (only for RHP-160F)	Instruction manual, AC adapter, screw splash-proof cover, adjusting screwdriver / mounting plate, attaching screws (only for MHP-80F)







FAQ

Q	Can I increase the capacity for the screw presenter?	You can add a screw hopper to add a capacity of 400–1600cc.
Q	Self-tapping screws are not working as intended. Why?	One possible cause is that M3.5 tolerance screws are intermingled with M3.0 tapping screws. If you are handling workpieces with large differences in screw tolerance, select a product based on the maximum screw and bolt diameter.
Q	I want to use a hexagon socket head cap bolt.	If you are considering a hexagon socket head cap bolt, please make an inquiry with our dealer before placing an order.
Q	Can I have model diagrams?	Yes, they can be downloaded from our website.
Q	Do you support special screw and bolt shapes?	If you are considering a device for a specialized screw or bolt, please print out the Special Order Form from our website, complete it, and submit it to one of our dealers.
Q	Can I have extra parts for maintenance?	To purchase extra parts, please contact the dealer where you purchased the product.
Q	How can I fix a presenter for a robotic device?	This is described in the product manual available on our website.
Q	I want to know more about options.	Please refer to our website.

Signals obtained from signal line

- Manual models : Signal of the screw pick up can be obtained.

- Robotic models: Signal of whether there is a screw in the screw pick-up point can be obtained.

- Fixed-quantity pick up models : Signal of feed completion for set number of screws can be obtained.

For customers seeking repairs

Print out a repair request form from our website, complete it, and submit it to the dealer where you purchased the product. Include the same document with your item to be repaired. If you do not have a printer, please include the details indicated on the right on a piece of paper.

Website : www.ohtake-root.co.jp

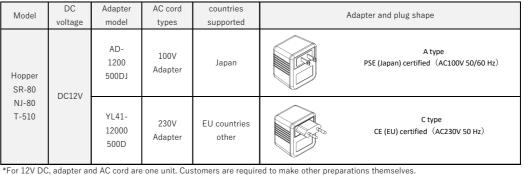
- Product name
- Serial number (on rear)
- Company name, address, contact person's name and department, telephone number, fax number
- Problem (in detail, and please be as specific as possible)
- Context in which it was used (type of screws, etc.)

Automatic screw presenter/Hopper AC adapter plug formats

Model	DC voltage	Adapter model	AC cord types	(Representative) countries supported	Adapter shape
			PSE cord	Japan Mexico Brazil other	Power adapter: -
		UI315-15	CCC cord	China Thailand Taiwan Malaysia Vietnam Brazil other	Certified cords for each country supported (100–240V AC)
All models	DC15V		KC cord	Korea	
		UNI315-15 -	CE cord	EU countries Argentina Indonesia India Vietnam other	Power adapter: Certified cords for each country supported (100–240V AC) (50/60 Hz)
		0101312-12	UL cord	USA	
*Adapter and			. UNI21E 1E .		

*The PSE code UI315-15 will switch to UNI315-15 as soon as the current stock runs out after April 2020.

The following adapters are compatible with Hopper manufactured before March 2020. Check the voltage on the nameplate of the Hopper main unit.

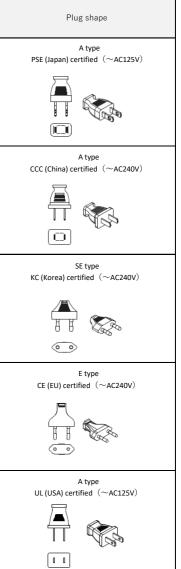


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Caution

- The specifications and performance figures of the products described in this catalog are based on our company's design calculations, in-house testing, individual performance testing, product usage results, and official standards/ specifications. These are provided for reference purposes only for model selection under normal circumstances.
- The items listed in this catalog may be amended, have their designs changed, or be revised without notice.
- If you are considering using our products under special circumstances, please make sure to discuss technical issues

- For safe usage of our products, please make sure to read the instruction manual before using them.



with us beforehand, or conduct a test and evaluation to check the performance on your own responsibility. If damages or injuries are incurred without following this process, OHTAKE-ROOT KOGYO cannot be held responsible.