Fasten screws easily with one hand.

Our screwdrivers greatly improve the efficiency of screwfastening in an assembly or cell production process.

[Hopper basket] Pull loose screws to the hopper. The hopper serves as a screw storage, and Nitto Seiko’s own vertical driver truck feeds screws to the head rail quickly without scattering or damaging them.

[Filter plate] The filter plate allows the passage of only screws of the proper shape. Our rain mechanism that does not damage the head and other parts of screws is employed.

[Electric control] A compact non-contact control circuit containing a set of controls for controlling optimum screw-fastening conditions ensures stable performance and durability. FM503H allows the use of a variety of electric motors, and optimization of the optimum screw head for the screw size and type.

[Shoot rail] The shoot rail aligns screws and moves them from the hopper to the escape unit. FM503H employs our own sprocket system, which allows the jam-free, smooth flow of screws.

[Driver unit] Screws fed by air pressure are held and fed into the chuck by the down force of the driver. A compact design, maintenance-free driver unit based on years of experience is employed.

[Escape unit] The escape unit is an important, reliable mechanism based on technologies we have accumulated over many years, which separates aligned screws from each other and accurately feeds them to the tip of the driver by air pressure.

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STRUCTURE OF FEEDMAT

Reference table of supported screw dimensions

The table shows the range of screw dimensions that can be manually controlled (this chart with no performance patterns.)

- **Note:** Specifications in part (18, 24, 36), specifications in part (07, 09, 10, 12, 14, 16) and specifications in part (20, 24, 36), specifications in part (07, 09, 10, 12, 14, 16) are not registered trademark of each company.

Our screwdrivers greatly improve the efficiency of screwfastening in an assembly or cell production process.

The shoot rail aligns screws and moves them from the hopper to the escape unit. FM503H employs our own sprocket system, which allows the jam-free, smooth flow of screws.

The escape unit is an important, reliable mechanism based on technologies we have accumulated over many years, which separates aligned screws from each other and accurately feeds them to the tip of the driver by air pressure.
Fasten screws easily with one hand.

Our screwdrivers greatly improve the efficiency of screwfastening in an assembly or cell production process.

**Structure of FEEDMAT**

- **Hopper basket**
  Pull loose screws in the hopper. The hopper serves as a screw storage, and Nittoseiko’s own vertical drive truck feeds screws to the sheet iron quickly without scattering or damaging them.

- **Filter plate**
  The filter plate allows the passage of only screws of the proper shape. Our mechanism that does not damage the head and other parts of screws is employed.

- **Electric control**
  A compact non-contact control circuit containing a set of controls for controlling optimum screwfastening conditions ensures stable performance and durability. FM50SH allows screws to be fed to the head in the optimum screw head for the screw size and type.

- **Shoot rail**
  The shoot rail aligns screws and moves them from the hopper to the escape unit. FM50SH employs our own inventor system, which allows the jam-free, smooth flow of screws.

- **Driver unit**
  Screws fed by air pressure are held and fastened by the chuck on the tip of the driver. A compact design, maintenance-free driver unit based on years of experience is employed.

- **Escape unit**
  The escape unit is an important, reliable mechanism based on technologies we have accumulated (over many years), which separates aligned screws from each other and accurately feeds them to the tip of the driver by air pressure.

**Reference table of support nut screw dimensions**

The table shows the dimensions of screws that can be hand-fed to the standard chuck with no performance problems.

**Specifications**

- Nittoseiko's specifications in part
  - Type: FM50SH
  - Unit: Unit series

- Specifications for FM50SH
  - Use a dry cell battery to power the 110 V AC power 220 V power.
  - Use a dry cell battery to power the 110 V AC power 220 V power.

**Description of screw head shape symbols**

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**Automatic Handy Screwdrivers**

**FEEDMAT**

FM50SH
FM801H

**FAS T E N I N G I N N O V A T I O N f o r T H E F U T U R E**

**URL:** https://www.nittoseiko.co.jp/
Structure of FEEDMAT

[Hopper basket]
Pull loose screws in the hopper. The hopper serves as a screw storage, and Nittoseiko’s own vertical dryer truck feeds screws to the shoot rail quickly without scattering or damaging them.

[Filter plate]
The filter plate allows the passage of only screws of the proper shape. Our new mechanism that does not damage the head and other parts of screws is employed.

[Electric control]
A compact non-contact control circuit containing a set of controls for controlling optimum screw-feeding conditions ensures stable performance and durability. FM801H allows you to change the optimum screw feed for the same size and type.

[Shoot rail]
The shoot rail aligns screws and moves them from the hopper to the escape unit. FM803H employs our own inventor system, which allows the jam-free, smooth flow of screws.

[Driver unit]
Screws fed by air pressure are held and fastened by the chuck on the tip of the driver. A compact design, maintenance-free driver unit based on years of experience is employed.

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