

For sure, more delicate.

In-line type

Connector screwdriving robot

More sensitive process for screw tightening by thrust control of servo motor.

Features

Smooth handling for multiproduct

- Maximum 40 tightening points per one board (one program), and maximum 100 programs are available. Also easy changeover.
- Adjustable width of conveyor to fit on board size from 50mm to 250mm.

Less production time, High productivity

- Less production time by twin tightening.
- Run various type of products is available by changeover of jig. *In case of same screw.
- Adjustable conveyor speed by easy operation.

High quality screw tightening

- Less damage and scratch, Less tightening fault, by thrust control of servo motor.
- Settable tightening torque and rotational speed by easy operation.
- Antistatic specification of screw driver.
- Ionizer is equipped in standard specification.



Specifications

Applicable size of board	W:50-250mm, L:50-330mm
Screw pitch variable range	30-150mm
Applicable screw size *1 *2	Nominal size:2-5mm
Setup torque range *3	0.3-3.0N·m
Cycle time *4	appx.3sec/point (incl.moving time)
Number of models	100 models (40 points for each)
Equipment weight *5	appx.470kg
Main control box dimension and weight *6	W:900mm D:250mm H:850mm Weight:70kg
Power supply	Single phase AC200-230V 50/60Hz
Air pressure	0.4-0.5MPa

※Reference cycle time : 30seconds per board with 16 points tightening.
(From loading to unloading)

*1 Products will be built up based on specification of screws,
therefore it can be used for one kind of screws only.

*2 Application range of screws will be changed by type of screw head, or size.
Please contact us to make sure for it.

*3 The type of driver varies depending on target torque.

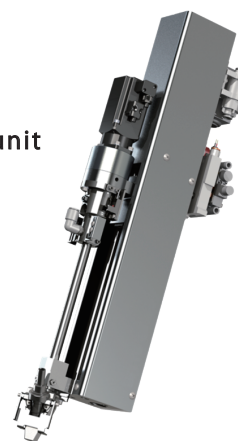
*4 Cycle time will be change by tightening condition.

*5 Weight will be changed by stroke, or type of driver.
Please contact us to make sure for it.

*6 Main control box is placed separately.

Tool unit

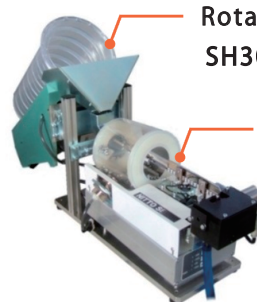
Single-spindle
automatic screwdriver unit
FM513VZ



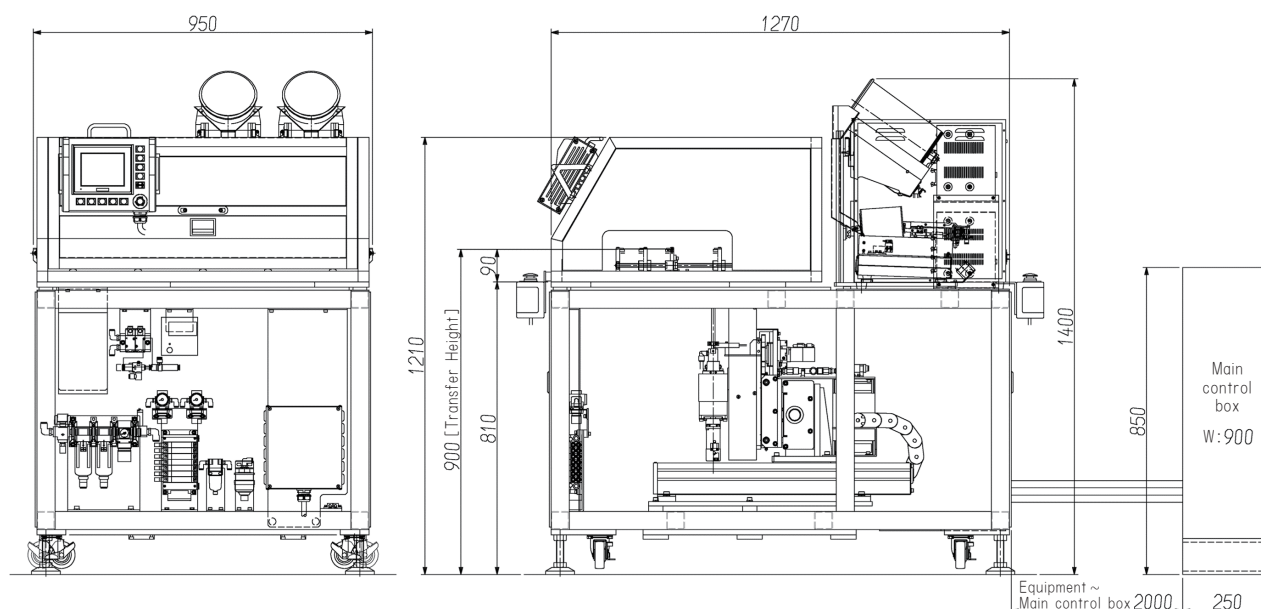
Screw feeder

Rotary drum type auxiliary hopper
SH300

Compact drum type screw Feed
FF311DR



Outside dimension drawing (mm)



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