

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

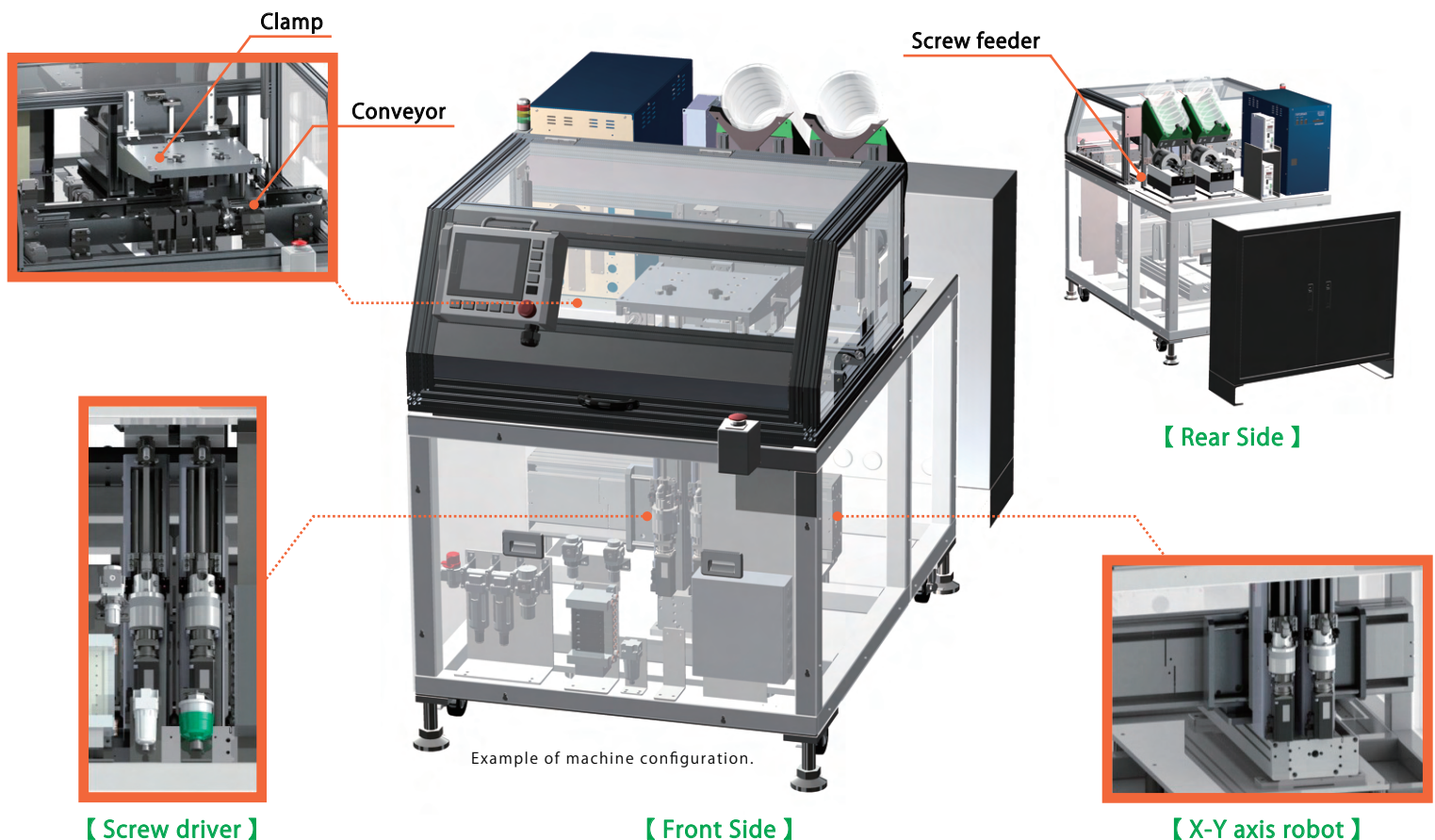
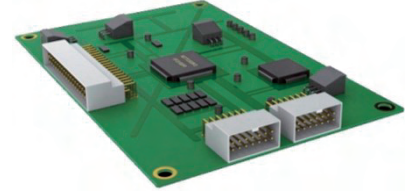
- Maximum 40 tightening points per one board (one program), and maximum 100 programs are available. Also easy changeover.
- Adjustable width of conveyor to fit on board size from 50mm to 250mm.

### 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.

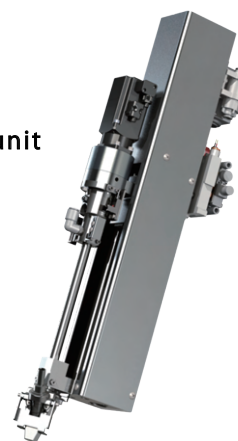
\*4 Cycle time will be change by tightening condition.

\*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

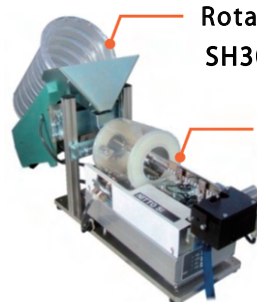
Single-spindle  
automatic screwdriver unit  
FM513VZ



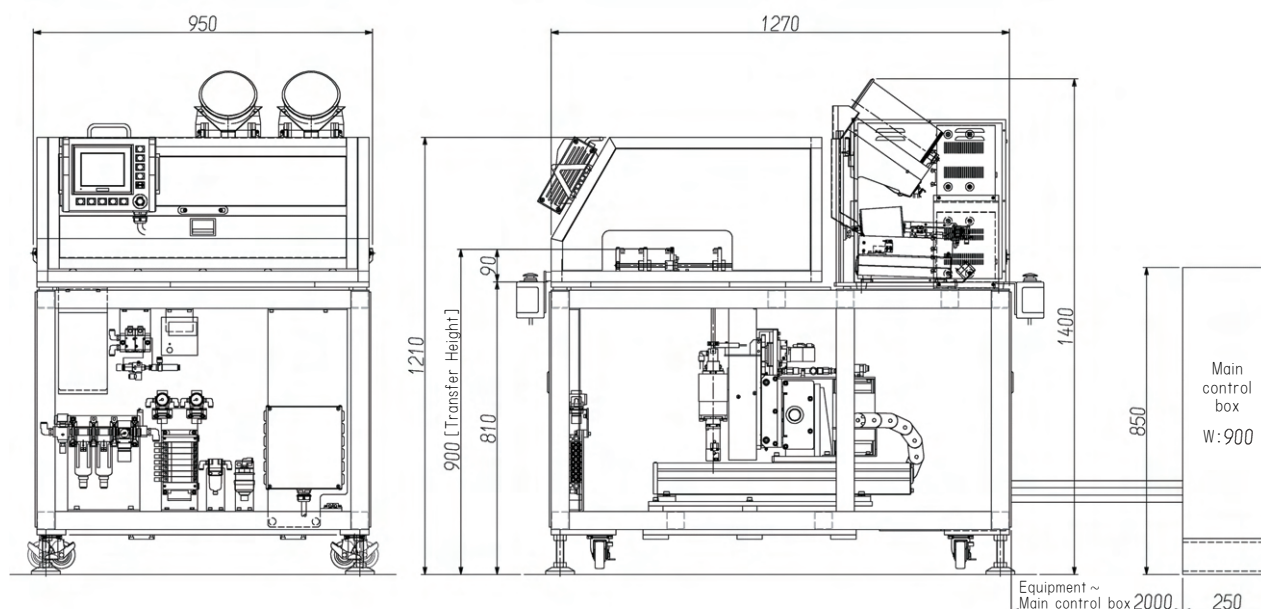
## Screw feeder

Rotary drum type auxiliary hopper  
SH300

Compact drum type screw Feed  
FF311DR



## Outside dimension drawing (mm)



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