NITTOSEIKO



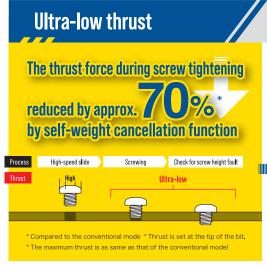
Minimize workpiece waste due to defects.

Single-axis automatic screw driving machines **FM513VZB**

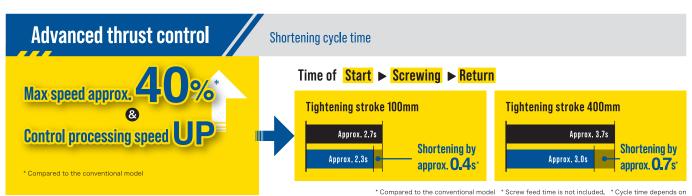
Ultra-low thrust model

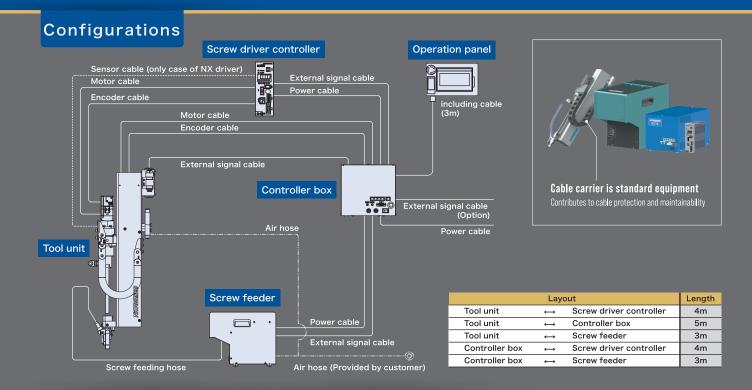
Mechanism Self-weight cancellation function

Calculate and offset the weight of the screwdriver bit lift mechanism

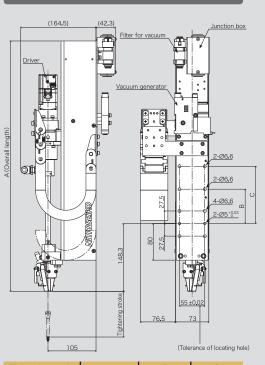








Outside dimensions of screw tightening unit



Tightening stroke	A (Overall length)	В	С
50st	498	ı	-
100st	548	-	-
150st	598	-	-
200st	648	150	-
250st	698	150	-
300st	748	150	250
350st	798	150	250
400st	848	150	250

Specifications

		1. Option	
Model		FM513VZR	
Screw holding system		Vacuum type screw guide	
Slide drve type		Servo motor	
Max speed		830mm/s	
Thrust control setting range		13~150N	
Tightening torque *1		0.15~3.8N∙m	
Driver		KX driver/NX driver	
Tightening stroke		50、100、150 [200、250、300、350、400]mm	
Applicable screws *2 *3	Category	Machine screw, Tapping screw, etc.	
	Nom dia.	2~5mm	
	Head Dia.	Ф10.5mm	
	Length	18mm	
Error detection		Torque failure (Thread stripping)	
		Screw shortage in screw feeder	
		Screw height fault (Z-axis encoder pulse) *4	
Working air supply		0.4~0.5MPa	
Power supply		Single phase 200-230VAC 50/60Hz	
Tool unit weight ⁴5		Approx. 6.5kg (Main unit: Approx. 5.9kg, Air equipment/relay box: Approx. 0.6kg	
Screw feeder		FF311DR/FF503H	

- $\ensuremath{^{*}\text{1}}\xspace$. The type of driver varies depending on target torque.
- *2: Products will be built up based on specificatio of screws, therefore it can be used for one kind of screw only.
- *3: Application range of screws will be changed by type of screw head, or size. Please contact us to make sure for it.
 *4: It can be detected more than 2mm the faulty screw height.
- And also another high accuracy type of sensor is available to mount in option.
- *5: It's a mass (weight) when the stroke is 100mm, and the weight of the feeder and controller is not included.

NITTOSEIKO CO.,LTD.

Assembly Machine Division Global Sales Section





Website: https://global.nittoseiko.com/

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- $\bullet {\sf Specifications} \ {\sf and} \ {\sf other} \ {\sf maters} \ {\sf are} \ {\sf subject} \ {\sf to} \ {\sf modifications} \ {\sf for} \ {\sf performance} \ {\sf improvements} \ {\sf without} \ {\sf notice}.$
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