

NITTOSEIKO

The screw driver with balance arm

Arm-Driver



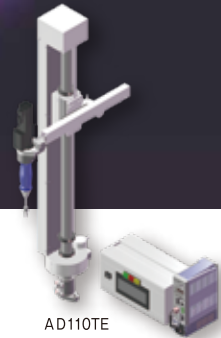
F A S T E N I N G I N N O V A T I O N
f o r T H E F U T U R E



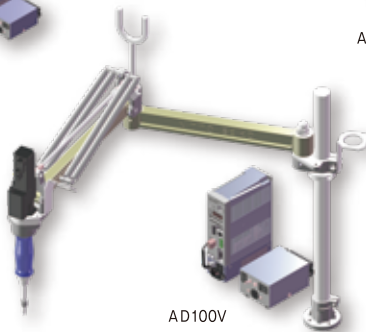
AD100T



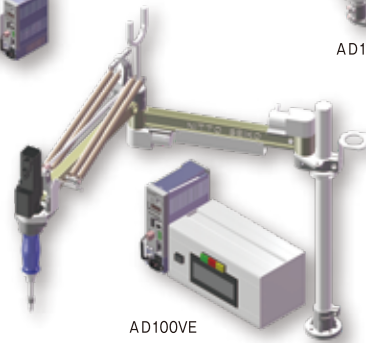
AD100TE



AD110TE

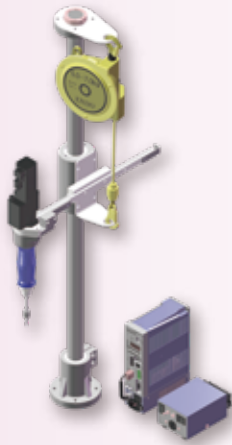


AD100V

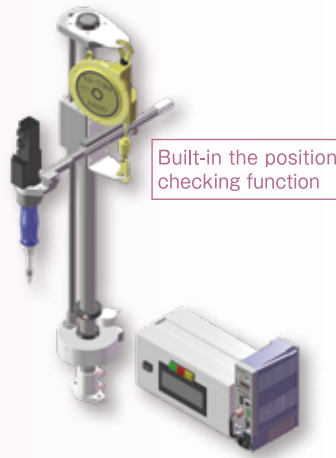


AD100VE

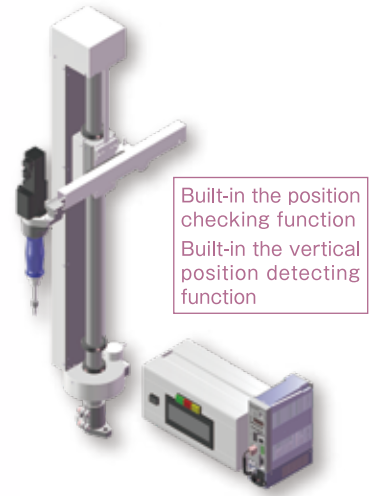
T type Arm-Driver



AD100T



AD100TE

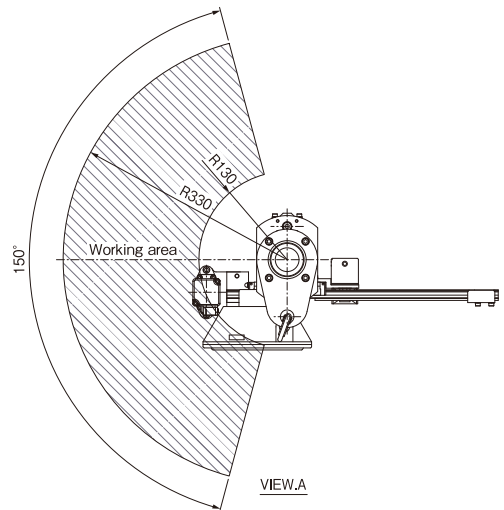
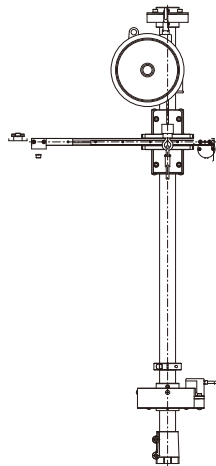
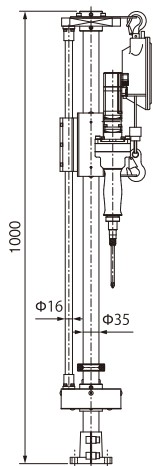


AD110TE

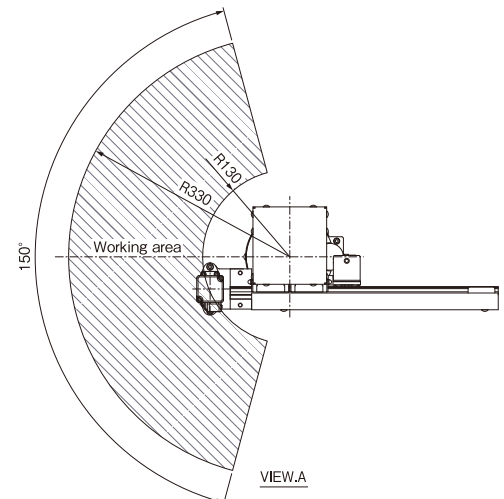
Outside dimension(mm)and Working area

※ Outside dimension and working area will be commonly utilized for both built-in position checking and not built-in this

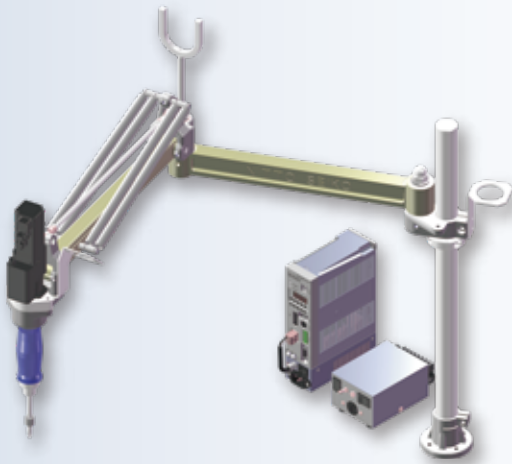
AD100TE



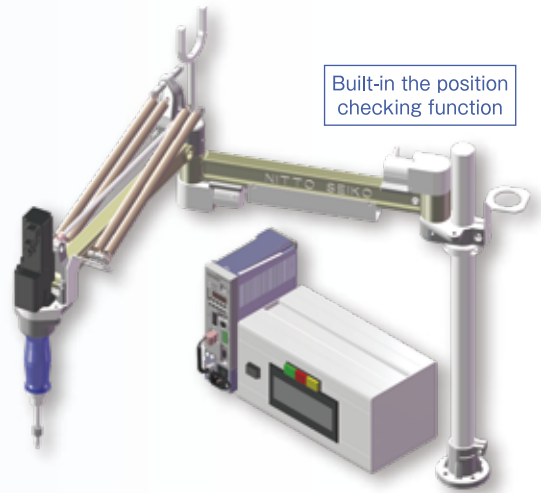
AD110TE



V type Arm-Driver



AD100V (AD500V)



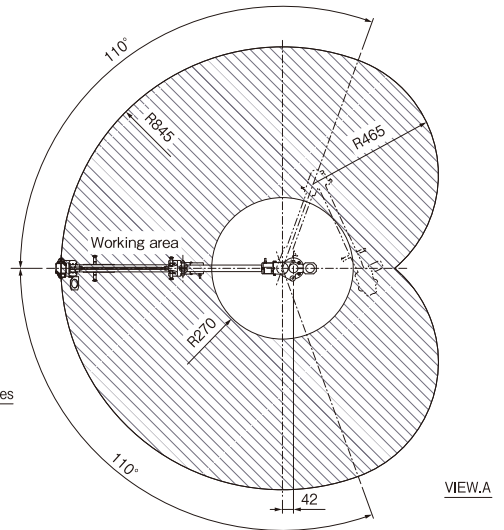
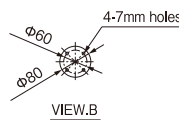
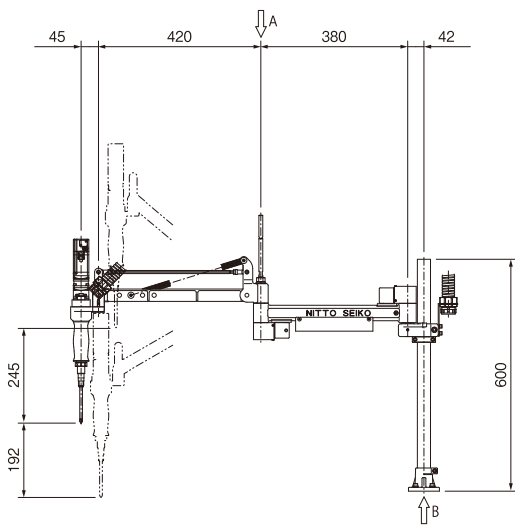
Built-in the position checking function

AD100VE (AD500VE)

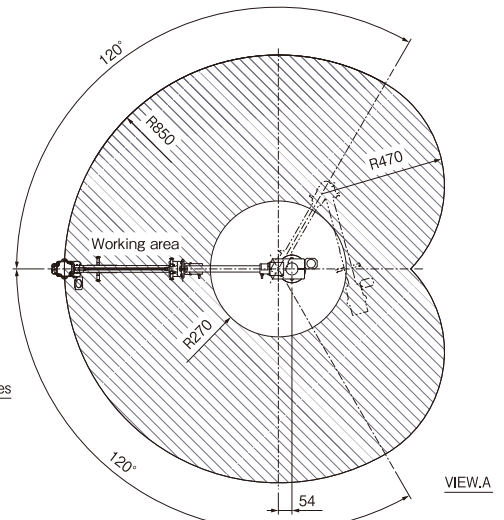
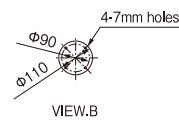
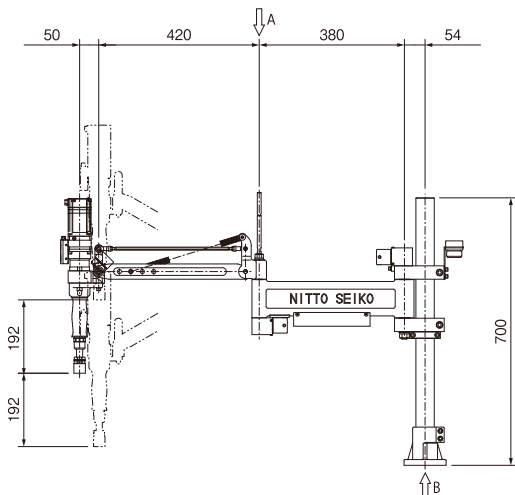
Outside dimension(mm) and Working area

※ Outside dimension and working area will be commonly utilized for both built-in position checking and not built-in this

AD100VE



AD500VE



Selecting chart of driving tool

[] : Optional

Torque of output shaft	KX driver SD550 series								NX driver SD550T series								NX driver SD600T series					
	100N·m	10N·m	1N·m	0.1N·m	0.01N·m	100N·m	10N·m	1N·m	0.1N·m	0.01N·m	100N·m	10N·m	1N·m	0.1N·m	0.01N·m	100N·m	10N·m	1N·m	0.1N·m	0.01N·m		
Tool unit model	050T2-01	100T2-01	150T2-01	100T2-03	150T2-03	150T2-07	400T2-07	400T2-14		008T2-03	020T2-07	050T2-07	100T2-07	180T2-05	250T2-07	500T2-0E	800T2-1B	020T3-07	050T3-07	100T3-07	200T3-06	500T3-0A
Setup torque range N·m	0.08~0.45	0.16~0.91	0.24~1.22	0.5~2.6	0.8~3.8	1.6~8.2	5.0~24	9.0~45		0.2~0.8	0.5~2.0	1.0~5.0	2.5~9.0	5.0~18	8.0~24	15~45	30~80	0.5~2.0	1.0~5.0	2.5~9.0	5.0~20	10~45
Recommend torque range N·m	0.15~0.30	0.3~0.6	0.6~1.0	1.0~2.0	2.0~3.2	3.2~7.0	7.0~20	20~40														
Max. rotation speed min ⁻¹	3,000			1,800		840		420		1,200	840			1,100	840	420	220	1,100			1,000	420
Output torque accuracy	-								3σ/x̄=5% or less		3σ/x̄=3% or less						3σ/x̄=2% or less					
Torque detecting method	Current measurement								Torque sensor (strain gauge)													
Applicable controller model	SD550N05				SD550N10					SD550T03		SD550T05	SD550T10			SD600T03		SD600T05	SD600T10			
Power source	Single phase AC200~230V ±10% 50/60Hz, [AC100~115V] _{※1}					Single phase AC200~230V ±10% 50/60Hz				Single phase AC200~230V ±10% 50/60Hz, [AC100~115V] _{※1}				Single phase AC200~230V ±10% 50/60Hz				Single phase AC200~230V ±10% 50/60Hz				
Max. power requirement kVA	0.35	0.5	0.65	0.5	0.65	1.2			0.6	0.45	0.6	0.75	1.3			0.45	0.6	0.75	1.4			
Controller weight kg	0.75				0.95					0.75			0.95			1.4			1.5			

Model	fastening torque																					
AD100T	10 N·m	●	●	●	●	●	●	● _{※2}	—	●	●	●	●	● _{※2}	—	—	—	●	●	●	● _{※2}	—
AD100TE	10 N·m	●	●	●	●	●	● _{※2}	—	●	●	●	●	● _{※2}	—	—	—	●	●	●	● _{※2}	—	
AD110TE	10 N·m	●	●	●	●	●	● _{※2}	—	●	●	●	●	● _{※2}	—	—	—	●	●	●	● _{※2}	—	
AD100V	18 N·m	●	●	●	●	●	● _{※2}	—	●	●	●	●	●	—	—	—	●	●	●	● _{※2}	● _{※2}	
AD500V	45 N·m	—	—	—	—	—	●	●	—	—	—	—	—	●	●	● _{※2}	—	—	—	●	●	
AD100VE	18 N·m	●	●	●	●	●	● _{※2}	—	●	●	●	●	●	—	—	—	●	●	●	● _{※2}	● _{※2}	
AD500VE	45 N·m	—	—	—	—	—	●	●	—	—	—	—	—	●	●	● _{※2}	—	—	—	●	●	

※1 It's mounted the optional AC power supply unit.
 ※2 Please make sure the setting torque which is within an allowable torque to be used the balance arm.



Here is for the introduction video of products.

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