

Switch box

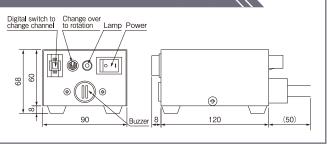
Set up distance between each device

Connecting each device name	Connecting cable name	Set up distance
Supporting column ~ Controller	Driver cable(2m)	0.5m or less
Controller ~ Switch box	I/O cable(2m)	2m or less
Controller ~ Power inlet	Power cable(4m) *1	4m or less
Switch box ~ Power inlet	Power cable(3m) *2	3m or less

※1 Power cable is not include a plug.

*2 Power cable is include a plug.

Outside dimension (mm)



HC100

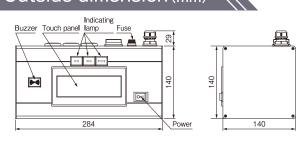
Specifications

Model	HC100			
Power supply voltage *3	Single phase 100-230VAC 50/60Hz			
External input	5 points			
External output	4 points			
Total numbers of point	800 points			
Number of models *4	Max.64 models			

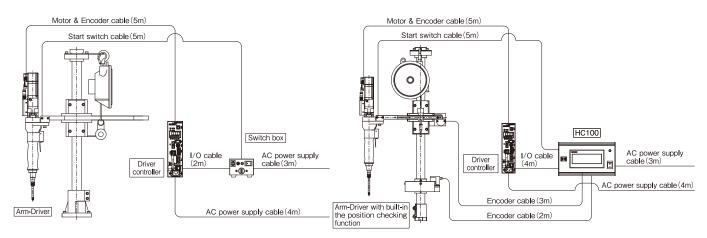
*3 Depends on Driver Type.

*4 An available points in model is max 12 when it using 64 models.

Outside dimension (mm)



Unit configuration diagram



T type Arm-Driver AD100T

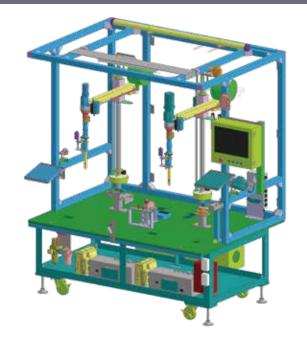
T type Arm-Driver AD100TE with built-in the position checking function

Application example

It will be fitted for the cell or small-rot multi production

The arm-driver with built-in the position checking function which an arm portion is mounted encoder is not only providing the high accuracy screw driving by hand working but also it will be supported to the following condition perfectly.

- Screw driving sequence is already decided
- Necessity of different screw driving torque in a sequence
- 3 Having many kind of workpiece
- 4 Small-rot multi-production



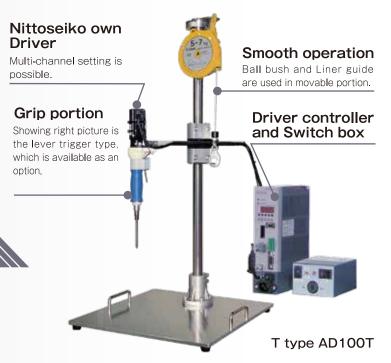
Performs stable screw driving quality which isn't depend on the skill of operator.

Features

- It can be reduced operator's burden by absorbing the torque reaction which is arising from during fastening with arm.
- It can be moving easily the hanging driver or something.
- The mounted driver is our own standard one, it's possible to setup the condition of multi-channel and can be handled the changeover products flexibly.
- Lineup of two type, T type for small-footprint and V type for wide moving space.
- It's easy installed and will be a ready-to-use.

Plus, if regarding the type with position checking function,

- The protection function to forget a fastening is installed. It's possible to change the fastening condition automatically according to the fastening sequence.
- The vertical position detecting function can be possible to check the abnormal condition as floating screw.



Example of machine configuration

[]: Optional

Lineup

	T type		V type		
		Standard	Built-in the position checking function	Standard	Built-in the position checking function
Туре	Standard	AD100T	AD100TE	AD100V	AD100VE
	Vertical position detecting	_	AD110TE	-	_
	Heavy-duty	_	_	AD500V	AD500VE

Specifications

	T type			V type		
Item	AD100T·AD100TE		AD110TE	AD100V·AD100VE		AD500V·AD500VE
	Vertical stroke (Max.)	400mm		Vertical stroke (Max.)	437mm	384mm
Working range *1	Horizontal stroke	200mm		1st Arm Length	380mm	
	Angle (Swing Arm)		150°	2nd Arm Length		420mm
Allowable fastening torque **2	10N	10N·m		18N·m		45N·m
Driver *3	KX Driver, NX Driver					
Bit type **4	Cross(+), Slotted(-), HEX, Box and other				and other	S
Machine weight Approx. 18kg		Approx. 25kg	Approx. 12kg		Approx. 15kg	
Start trigger method	Push start type, [Lever start type]					
Setting channels number *5	Max 16 or 32 (torque, fastening condition)					
Self-checking function *6	message and output signal for system error					
Power supply voltage **7	Single phase 200-230VAC 50/60Hz, [Single phase 100-115VAC 50/60Hz] Single phase 200-230VAC 50/60Hz					

^{%1} It doesn't have a mechanical stopper to confine the swing arm direction basically.

^{*2} This number is calculated to be considered the body strength, thus we can't guarantee if a using torque exceeds this limit. And also allowable torque will be 6N·m or less when it's using by 7mm dia bit.

^{*3} Please see other catalog for detail of KX and NX drivers.

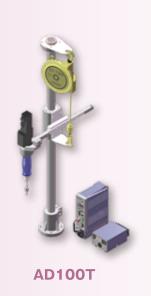
^{*4} We can be made special bit also, so please feel free to inquire

^{*5} Setting channels 32 is only available for SD600T controller.

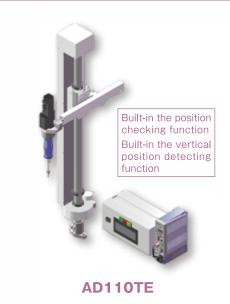
^{%6} It's only available with the position checking function.

^{*7} The supply voltage will be fixed the single phase 200-230V 50/60Hz according to the mounting driver type.

T type Arm-Driver







Outside dimension(mm)and Working area

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for both built-in position checking and not built-in this

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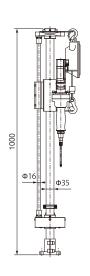
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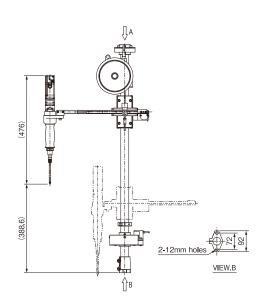
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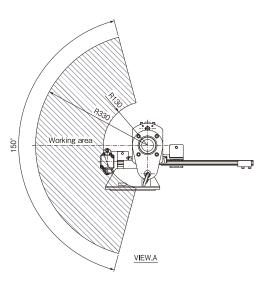
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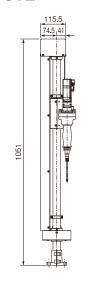
AD100TE

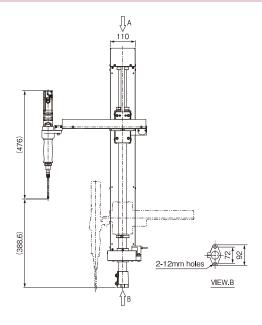


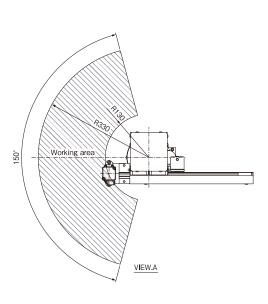




AD110TE







V type Arm-Driver





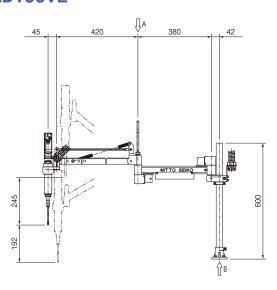


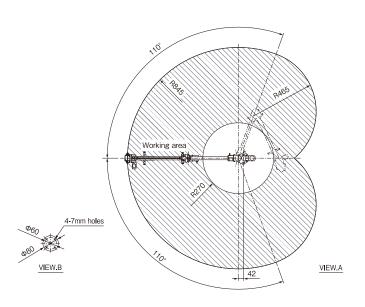
AD100VE (AD500VE)

Outside dimension(mm) and Working area

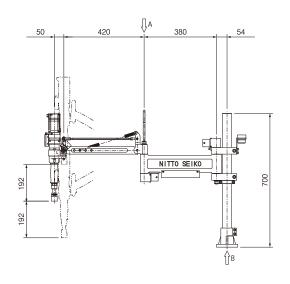
* Outside dimension and working area will be commonly utilized for both built-in position checking and not built-in this

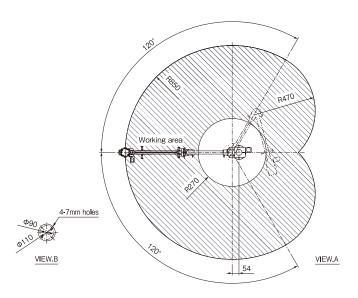
AD100VE





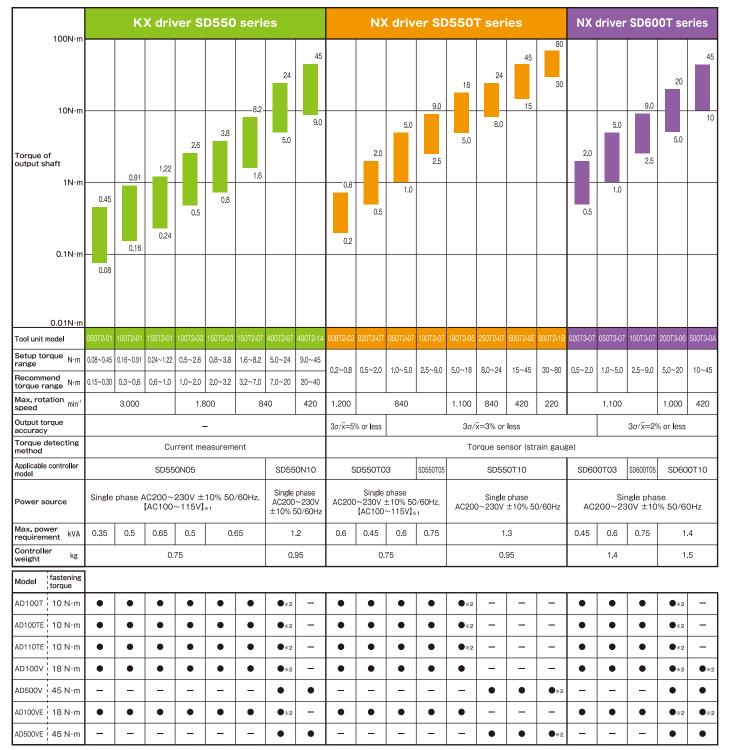
AD500VE





Selecting chart of driving tool

[]: Optional



It's mounted the optional AC power supply unit.

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Specifications and other matters are subject to modifications for performance improvements without notice.

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^{*2} Please make sure the setting torque which is within an allowable torque to be used the balance arm.