

# YP330X 3 axes



- Articulated robots  
YA
- Linear conveyor  
module  
LCM100
- Motor-less single  
axis actuator  
Robonity
- Compact  
single-axis robots  
TRANSSERO
- Single-axis robots  
FLIP-X
- Linear motor  
single-axis robots  
PHASER
- Cartesian  
robots  
XY-X
- SCARA  
robots  
YK-X

Pick & place  
robots  
YP-X

CLEAN

CONTROLLER

INFORMATION

2-axes

3-axes

4-axes

**YP330X** RCX340-3

Model	Cable length	Controller / Number of controllable axes	Safety standard	Option A (OP.A)	Option B (OP.B)	Option C (OP.C)	Option D (OP.D)	Option E (OP.E)	Absolute battery
	3L: 3.5m 5L: 5m 10L: 10m								

**Specify various controller setting items. RCX340 ▶ P.566**

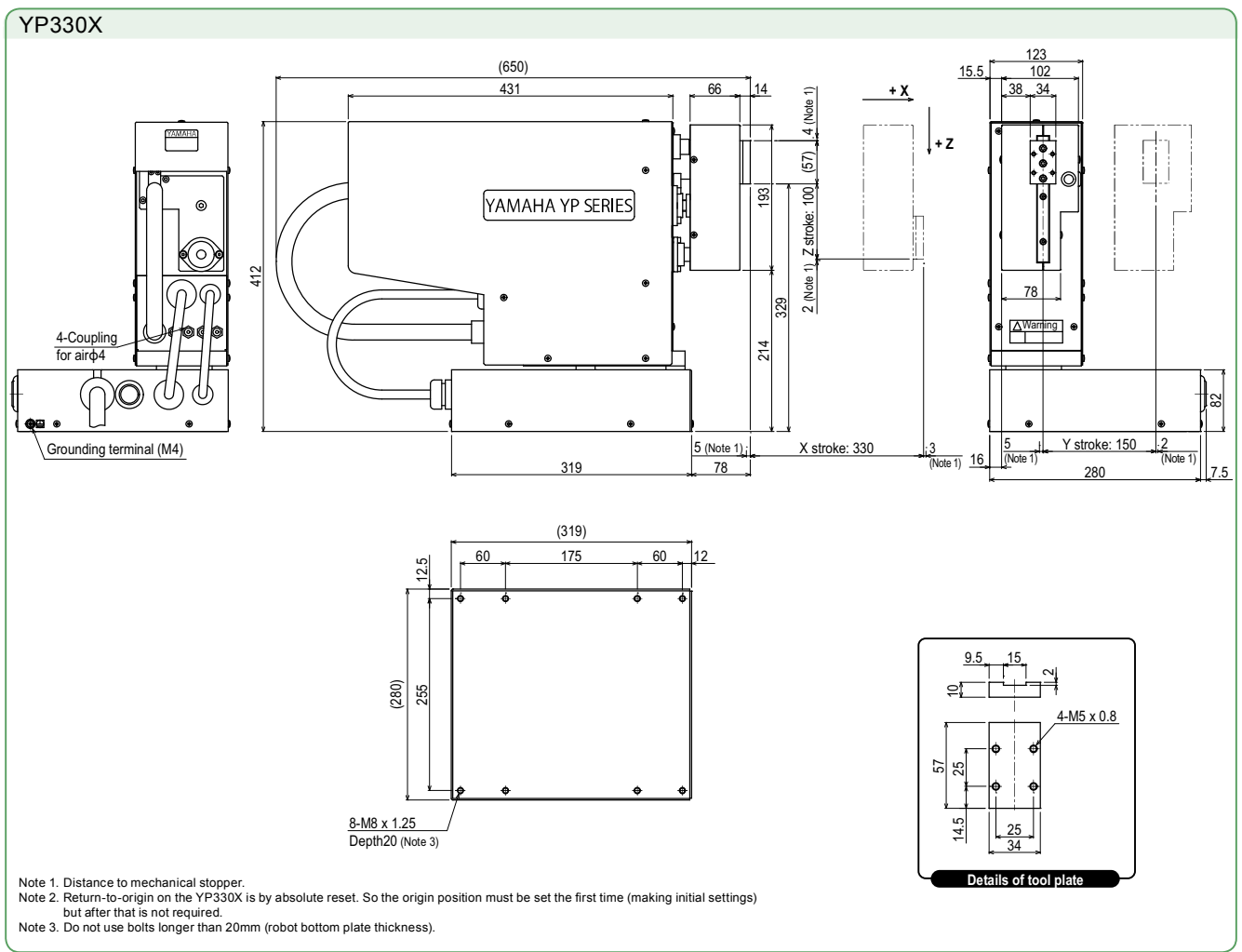
## Specifications

	X axis	Y axis	Z axis
<b>AC servo motor output (W)</b>	200	200	200
<b>Repeatability<sup>Note 1</sup> (mm)</b>	+/-0.02	+/-0.02	+/-0.05
<b>Drive system</b>	Ball screw φ15	Ball screw φ15	Timing belt
<b>Deceleration ratio (mm)</b>	Equivalent to lead 20	Equivalent to lead 20	Equivalent to lead 25
<b>Maximum speed<sup>Note 2</sup> (mm/sec)</b>	1500	1000	1500
<b>Moving range (mm)</b>	330	150	100
<b>Cycle time (sec)</b>	0.57 <sup>Note 3</sup> , 0.78 <sup>Note 4</sup>		
<b>Maximum payload (kg)</b>	3		
<b>Robot cable length (m)</b>	Standard: 3.5 Option: 5,10		
<b>Weight (kg)</b>	32		

Note 1. Positioning repeatability precision in a single swing when residual vibration is stabilized (variable depending on the load and stroke).  
 Note 2. When the moving stroke is short, the maximum speed may not be reached.  
 Note 3. Reciprocating time in vertical direction (50mm) and longitudinal direction (150mm) with the arch amount of 50 (when executing rough-positioning arch motion with 1kg load).  
 Note 4. Reciprocating time in vertical direction (25mm) and longitudinal direction (300mm) with the arch amount of 25 (when executing rough-positioning arch motion with 1kg load).

## Controller

Controller	Power consumption (VA)	Operating method
RCX340	700	Programming / I/O point trace / Remote command / Operation using RS-232C communication



Note 1. Distance to mechanical stopper.  
 Note 2. Return-to-origin on the YP330X is by absolute reset. So the origin position must be set the first time (making initial settings) but after that is not required.  
 Note 3. Do not use bolts longer than 20mm (robot bottom plate thickness).