

# WEBLINER

## RAII- $\alpha$ -100S/D, RAII- $\alpha$ -150S/D, RAII- $\alpha$ -250S/D

### ■ Features



Clamping force

80~300 ton



Number of servo axes

3/5-axis



Kick frame

Dual support type



Vertical arm

2-stage telescopic type



Guide section

Yushin linear rail



NC box

On robot body



Controller

E-touch Web

### Equipped with E-touch Web Controller as standard

2-stage telescopic vertical arm is adopted on RAII- $\alpha$ -100~250, which reduces the overall height of the robots. These robots, also belonging to  $\alpha$ -series, are applicable for a comparatively small-size molding machine with a clamping force 80~300 ton. They contribute much to value-added production such as the interconnection with downstream equipment that requires highly-accurate positioning. As well as RA- $\alpha$ -100~250 (1-stage non-telescopic vertical arm type), they are the flagship model of Yushin.

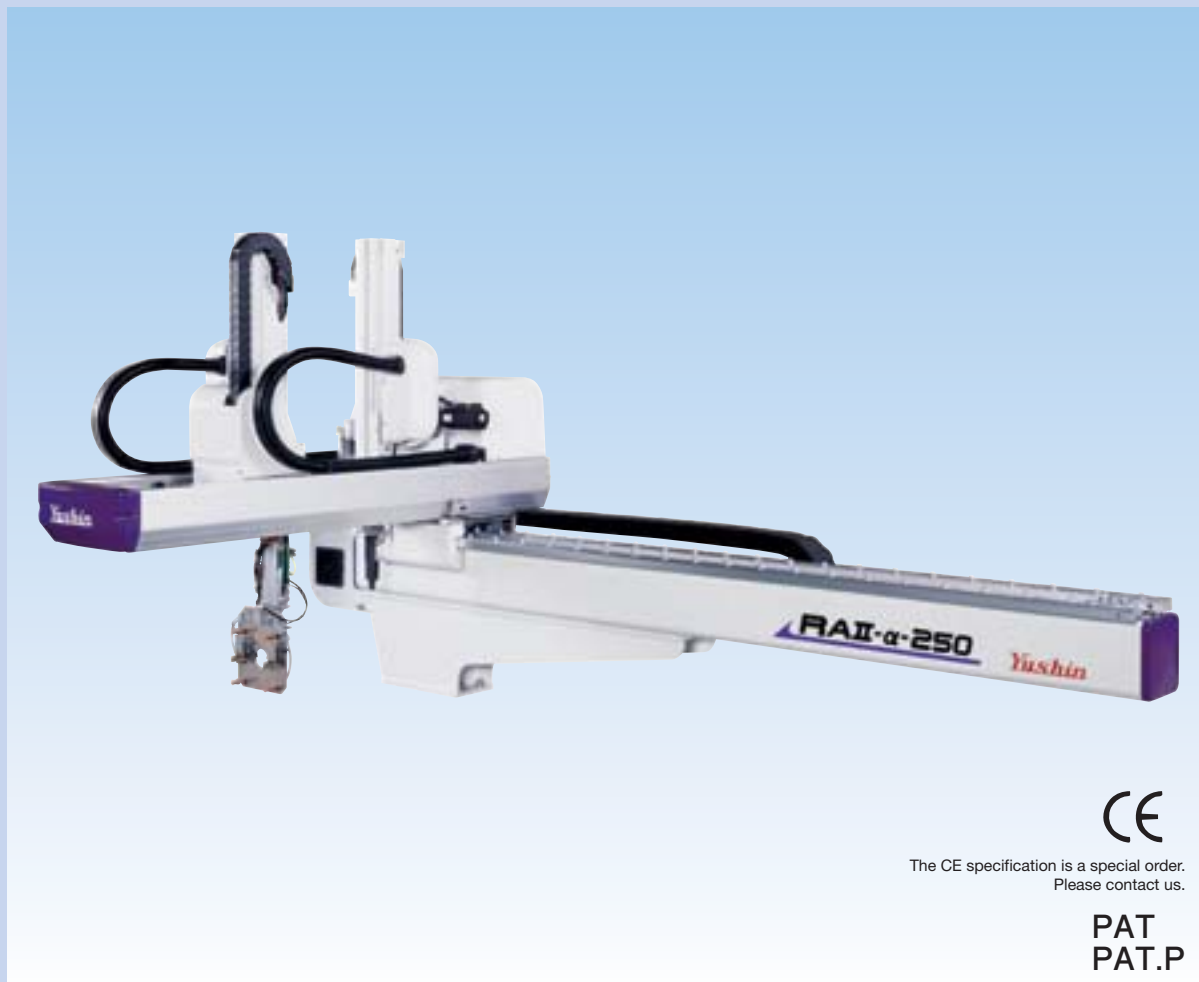
SERVO TRAVERSE ROBOT

SINGLE-AXIS SERVO-DRIVEN TRAVERSE ROBOT

SWING ROBOT

SIDE ENTRY HIGH SPEED ROBOT

TAKE-OUT ROBOT FOR VERTICAL INJECTION MOLDING MACHINE



The CE specification is a special order.  
Please contact us.

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■ Standard Specification

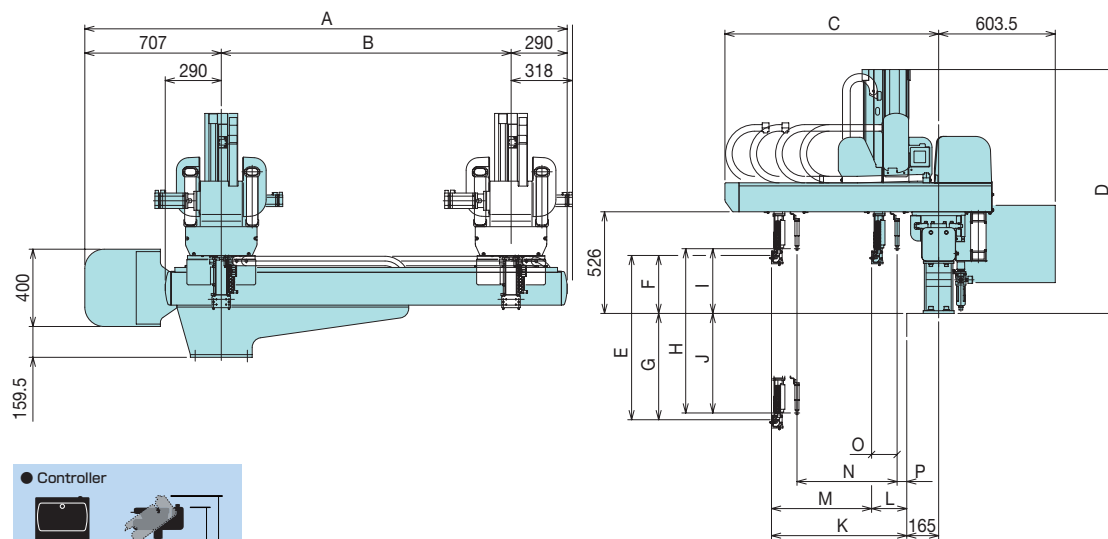
Power source	Driving method	Control method	Air pressure	Maximum air pressure	Wrist flip angle
AC200V (50/60Hz)	Digital servo motor (3/5-axis)	Micro computer control	0.49MPa	0.79MPa	90deg.

Model	Maximum power consumption	Traverse stroke (mm)	Kick stroke (mm)		Vertical stroke (mm)		Air consumption (ℓ (normal) /cycle)	Maximum payload (Including end-of-arm tool)	Clamping force (ton)	Main unit weight (kg)
			Main arm	Sub arm	Main arm	Sub arm				
RAII-α-100S	S type Single phase AC200V 11A	1100 (1500) <1700>	578	—	700	—	6	Less than 5kg*	80~130	333
RAII-α-100D			518	518		700				361
RAII-α-150S	D type Single phase AC200V 14A	1500 (1700) <1900>	578	—	850	—			100~220	355
RAII-α-150D			518	518		850				384
RAII-α-250S			728	—	950	—			180~300	357
RAII-α-250D			668	668		950				387

( ) Type L, < > Type LL

※ The payload varies depending on the take-out robot speed setting.

■ Dimensions (mm)



(Angle adjustment function is optional.)

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
RAII-α-100S	2097 (2497)	1100 (1500)	1106	1187	700	300	400	—	—	—	700	122	578	—	—	—
RAII-α-100D	2697	<1700>		1262	850		550	700	335	365		182	518	518	132	50
RAII-α-150S	2497 (2697)	1500 (1700)	1256	1312	950	650	850	335	515	122	578	—	—	—		
RAII-α-150D							850	335	515	182	518	518	132	50		
RAII-α-250S							—	—	—	122	728	—	—	—		
RAII-α-250D							950	335	615	182	668	668	132	50		

( ) Type L, < > Type LL

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