

SXB-300Ⅲ/V

Side-entry approach caters to dust-free products and low-clearance environments such as cleanrooms



Clamping force 180 - 450 tf

Ultra-low overall height (Side entry)

All-axis servo-driven

Side entry Type for Clean Molding Environment

The side entry type high-speed take-out robot is suitable for clean environments, contributing to the extraction of molded products that require clean molding environment, such as optical parts, medical equipment, and food containers, with an IMM clamping force of 180 to 450 tf. The robot is also suitable for dust-free products, as well as stable, high-speed extraction in low-ceiling facilities and cleanrooms thanks to the side-entry configuration. The robot comes with the user-friendly E-touch compact II controller.

Adoption of High Power Motor

Smooth acceleration, deceleration and high-speed operation are achieved by adopting high power motors.

3/5-Axis Servo Motor Drive

Gentle release of product is achieved by using a servo motor on the vertical axis in addition to the conventional side entry type 2-axis servo motor drive (traverse and kick axes). Yushin's side-entry robot line-up includes the 3-axis servo motor drive SXB-300Ⅲ for 2 plate molds and 5-axis servo motor drive SXB-300V for 3 plate molds.

Standard Specifications

Power supply		Drive method		Controller model		Working air pressure		Flip angle	
3-phase 200 VAC/220 VAC/230 VAC (50/60 Hz)		Digital servo motor 3/5-axis		E-touch compact II		0.49 MPa		90°	
Model	Power consumption	Traverse stroke [mm]		Kick stroke [mm]		Vertical stroke [mm]	Air consumption [NL/cycle]	Payload [kg]	Target IMM clamp capacity [tf]
		Main arm	Sub arm	Main arm	Sub arm				
SXB-300Ⅲ	3.4 kVA 200 VAC 10.7 A	1600 (2000)	—	675	—	325	20	8	180-450
SXB-300V	4.0 kVA 200 VAC 13.7 A		1050 (1250)	565	565				

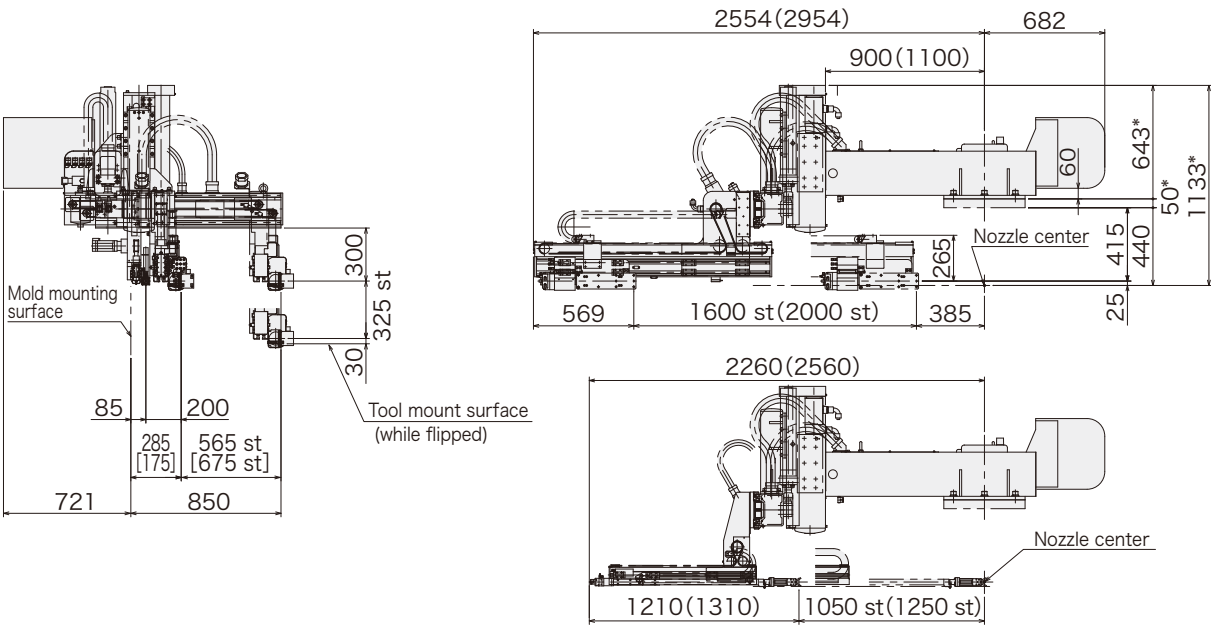
() : Modified stroke
Payload includes the end-of-arm tool.

Options

Options	Explanation of each option
Custom color	The main body, frame covers, control box, and operation box can be painted with colors specified by customers.
Traverse stroke modification	Product side (Main arm) 400 mm modified, Runner side (Sub arm) 200 mm modified.

We offer an assortment of options. Please contact a Yushin office.

Dimensional Drawings [mm]



() : Modified stroke
[] : 3-axis type
* Dimensions vary depending on actual molding machine dimensions.

We provide solutions to your unique cutting needs

Yushin offers different options for cutting gates, sprues, and runners. A variety of cutting options are available, including nipper units and other precision cutting units.

Features

We have a selection of installations that cater to your needs, including the full range from rough cutting to precision cutting with quality cutting surfaces and efficient operation that minimizes the impact on cycle time.

