V-HOP450-Ⅱ/550-Ⅱ/650-Ⅱ/750-Ⅱ/850-Ⅱ/950-Ⅱ

Runner take-out robot for vertical molding machines with a double-speed mechanism in the entry axis to save space



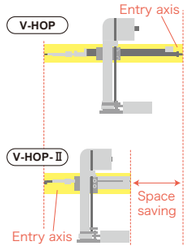
Clamping force 20 - 150 tf

Compact design

Air-driven

Space Saving

The double-speed mechanism in the entry axis saves space.



Runner Take-Out Robot for Vertical Molding Machines

V-HOP series robots are ideally suited to runner take-out from small vertical molding machines.

Swing Feature

Runner release location can be set by adjusting the swing angle between 60 and 90 degrees. (R, RX specifications)

Take-Out from Lower or Upper Side of Mold

A simple adjustment made to its operating settings allows the V-HOP to perform take-out from either the upper or lower side of molds.

Standard Specifications

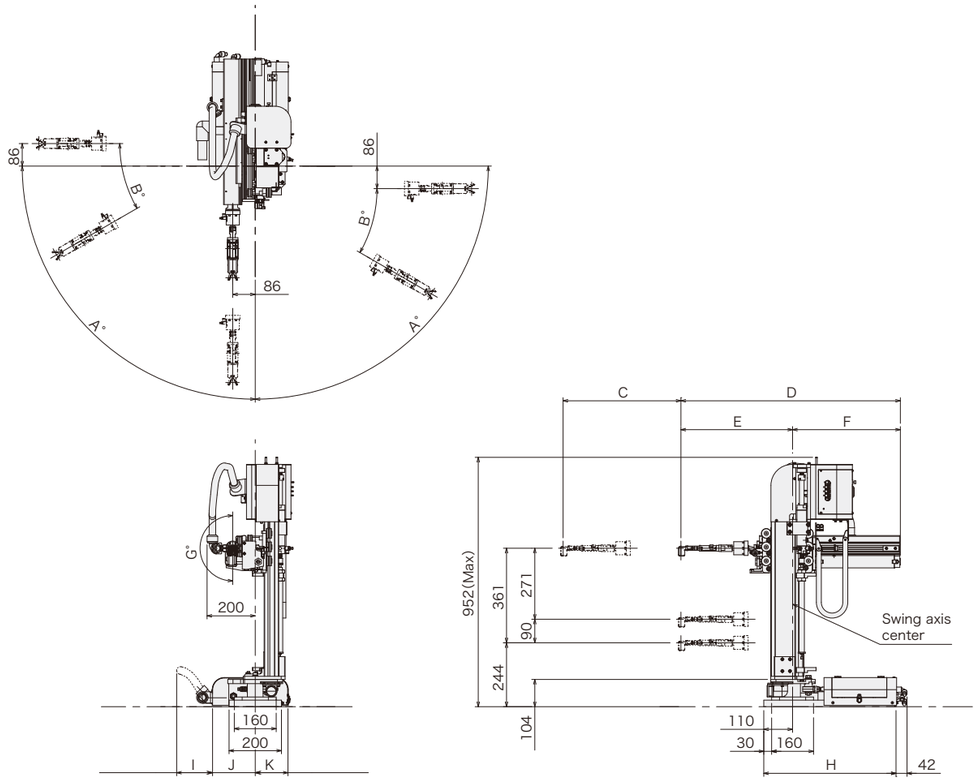
Power supply	Drive method	Controller model	Working air pressure
1-phase 200 VAC (50/60 Hz)	Air cylinder 2/3-axis	CH-type controller	0.49 MPa

Model	Power consumption	Stroke			Chuck position [mm]	Air consumption [NL/cycle]		Payload [kg]	Target IMM clamp capacity [tf]
		Entry[mm]	Vertical[mm]	Horizontal rotation		No horizontal rotation	With horizontal rotation		
V-HOP450-Ⅱ	0.05 kVA 200 VAC 0.25 A	450	90	60°-90°	Range* 0-100	6	10	1.5	20-150
V-HOP550-Ⅱ		550				8	12		
V-HOP650-Ⅱ		650				10	14		
V-HOP750-Ⅱ		750				12	16		
V-HOP850-Ⅱ		850				14	18		
V-HOP950-Ⅱ		950				16	20		

Payload includes the chuck. * Chuck position is optional.

Separate catalog available

Dimensional Drawings [mm]



[mm]

Model	A	B	C	D		E	F	G	H	I	J	K
V-HOP-Ⅱ (No swing/No flip)	–	–	450 (550) [650] 〈750〉 ⟨⟨850⟩⟩ [[950]]	727 (777) [827]	〈877〉 ⟨⟨927⟩⟩ [[977]]	315	412 (462) [512] 〈562〉 ⟨⟨612⟩⟩ [[662]]	–	330	–	100	100
V-HOP-X-Ⅱ (No swing/With flip)				838 (888) [938]	〈988〉 ⟨⟨1038⟩⟩ [[1088]]	427		180				
V-HOP-R-Ⅱ (With swing/No flip)	90	30		727 (777) [827]	〈877〉 ⟨⟨927⟩⟩ [[977]]	315		–	505	137	163	125
V-HOP-RX-Ⅱ (With swing/With flip)				838 (888) [938]	〈988〉 ⟨⟨1038⟩⟩ [[1088]]	427		180				

( ) : 550type [ ] : 650type 〈 〉: 750type ⟨⟨ ⟩⟩ : 850type [[ ]] : 950type
The B dimension in the illustration indicates the range within which the rotation angle can be adjusted.