

4 For Vertical Molding Machine

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

Separate catalog available

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



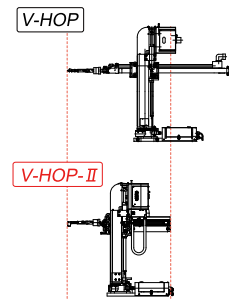
Clamping force 20 - 150 tf

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

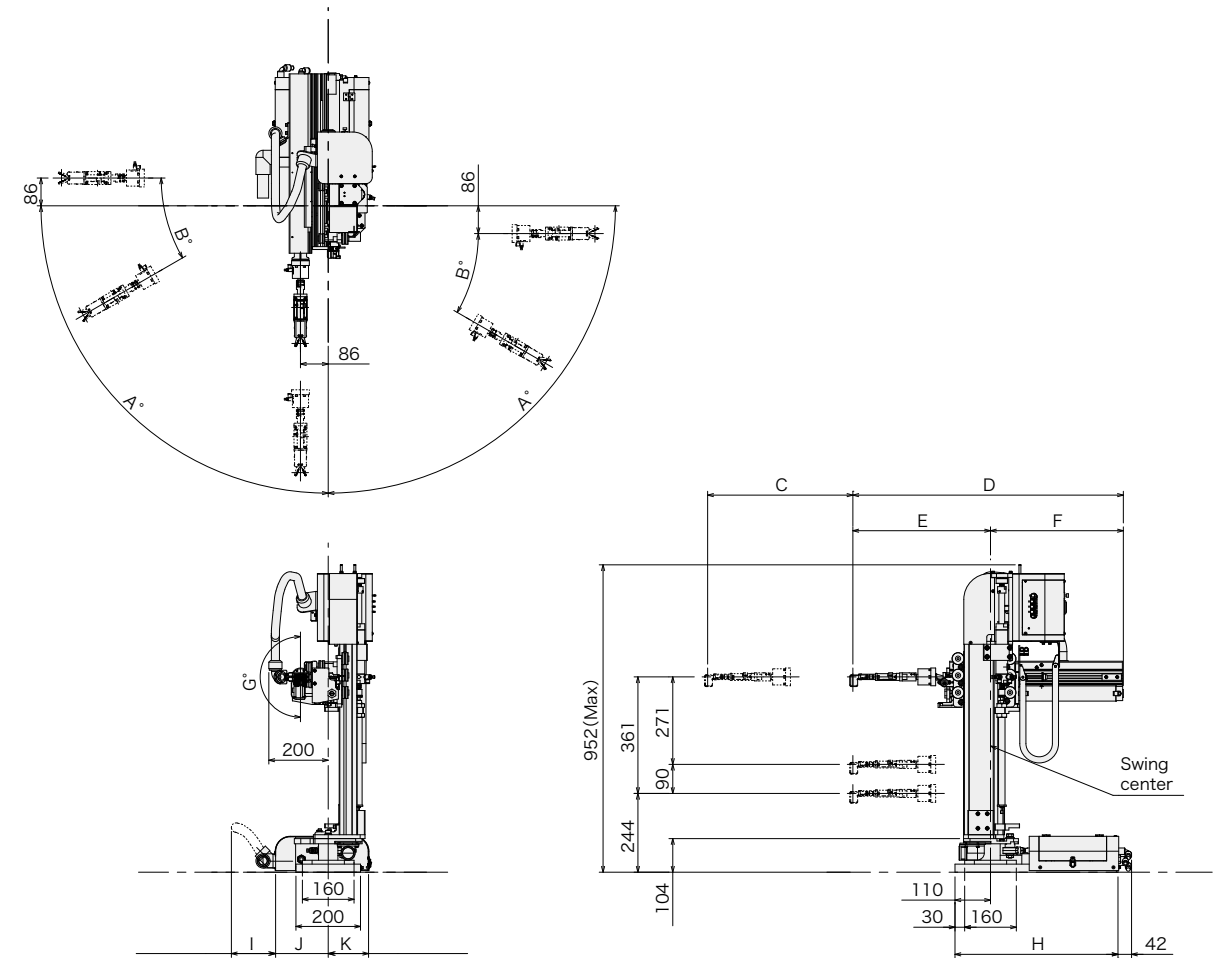
A simple adjustment made to its operating settings allows the V-HOP to perform take-out from either the upper or lower side of molds.

Standard Specifications

| Power supply | | Drive method | | Controller model | | Working air pressure | | | |
|----------------------------|-------------------------|-----------------------|--------------|---------------------|---------------------|----------------------------|--------------------------|--------------|--------------------------------|
| 1 phase AC200 V (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 AC200 V 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.

Dimensional Drawings [mm]



[mm]

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

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The B dimension in the illustration indicates the range within which the rotation angle can be adjusted.

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