All-Axis Servo Driven Type
Swing Type
Side Entry Type
For Vertical Molding Machine
Stock System
Product Series Guide P11

# N-HOP-GⅡ 450/550/650/750/900-R1

## Servo motor-driven kick axis adopted to support frequent changeovers

Clamping force 30 - 350 tf

Servo + Air-driven

### Runner Take-Out Robot with Servo Motor-Driven Kick Axis

In a swing type robot,the item that requires the most frequent adjustment in connection with mold changes is the kick stroke.
The kick axis of the N-HOP is driven with a numerically controlled servomotor,which allows the adjustment to be executed safety and accurately without climbing on top of the molding machine.The servomotor also provides a fast and stable runner take-out motion that can only be achieved with servomotor drive.

### ■ Standard Specifications

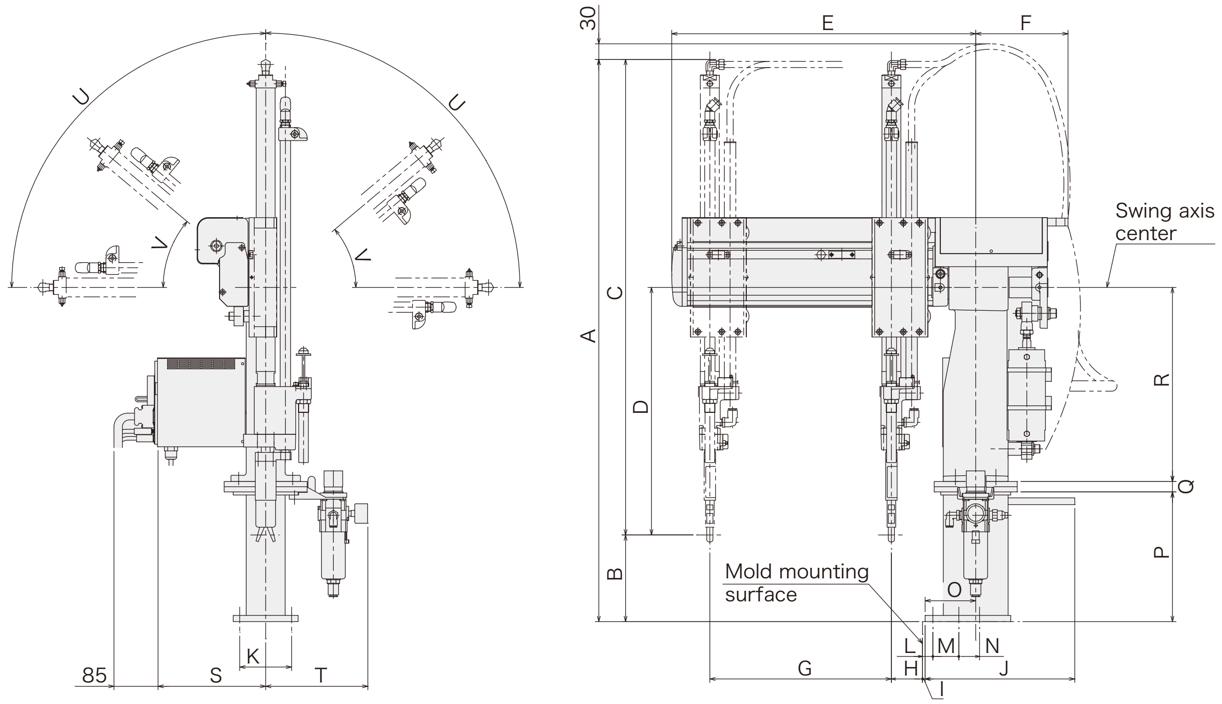
| Power supply | Drive method | Controller model | Working air pressure |
|---|---|---|---|
| 1-phase 200 VAC/220 VAC (50/60 Hz) | Digital servo motor (1-axis) Air cylinder (2-axis) | GIIB-type controller | 0.49 MPa |

| Model | Power consumption | Stroke | | | Chuck position [mm] | Air consumption [NL/cycle] | Payload [kg] | Target IMM clamp capacity [tf] |
|---|---|---|---|---|---|---|---|---|
| | | Vertical[mm] | Kick[mm] | Swing | | | | |
| N-HOP-GII 450-R1 | | 450 | | | | 11 | | |
| N-HOP-GII 550-R1 | | 550 | 350 | | | 13 | | |
| N-HOP-GII 650-R1 | 0.13 kVA 200 VAC 0.7 A | 650 | | Min.50° ~ Max.90° | Range 100 | 15 | 2 | 30-350 |
| N-HOP-GII 750-R1 | | 750 | 620 | | | 17 | | |
| N-HOP-GII 900-R1 | | 900 | | | | 19 | | |

X, XC, and XN Specifications are available.
Payload includes the end-of-arm tool.

Separate catalog available

### ■ Dimensional Drawings [mm]




[mm]

| Model | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N-HOP-GII 450-R1 | 1084 | | 917 | | | | | | | | | | | | | | | | | | | |
| N-HOP-GII 550-R1 | 1184 | 167 | 1017 | | 586 | | 350 | | 5 | 289 | 100 | 20 | 50 | 40 | 98 | 250 | | | | 197 | | |
| N-HOP-GII 650-R1 | 1284 | | 1117 | 477 | | 178 | | 60 | | | | | | | | | 20 | 374 | 208 | | 90° | 40° |
| N-HOP-GII 750-R1 | 1484 | 267 | 1217 | | 856 | | 620 | | 4 | 400 | 128 | 25 | 60 | 60 | 99 | 350 | | | | 222 | | |
| N-HOP-GII 900-R1 | 1634 | | 1367 | | | | | | | | | | | | | | | | | | | |

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