



## HARMO HRX-800SWi AND HRX-800GWi

Superior performance, powered by the industry's most complete fully end-user programmable controls package, the HRXi Series from Harmo brings every molder the tools necessary to deliver value to every job—large or small. Smart programming, fully editable screens and limitless I/O capacity are just a few of the hallmarks that make this the robot of choice for those serious about automating molding machines to the greatest extent possible.



HRX-800GWi

### STANDARD FEATURES

- All axis AC digital servo actuation (absolute encoder)
- Three-dimensional axis movement
- Thick-walled aluminum extrusion traverse beam with steel sub-weldment
- C-Axis 90° wrist flip unit
- One (1) part vacuum circuit with detection
- One (1) mechanical circuit with detection
- One (1) sprue grip circuit with detection
- SPI ready with 32 Pin DIN plug
- Air requirement is: 80 PSI
- Power requirements: AC 200 ± 20% (50 / 60 Hz) - Three Phase
- Operator or non-operator side unload
- Two (2) year parts warranty
- One (1) year on-site labor (excluding travel expenses)

### OPTIONAL FEATURES

- Two-stage telescopic vertical arm construction for low overhead environment (all HRX-300 and larger robots are two-stage telescopic standard)
- A-Axis pneumatic two-position 0-90 or 0-180 degree wrist rotation
- Additional pressure and/or vacuum circuit(s)
- Machine platen spacer with custom mounting bolt hole pattern
- EOAT quick-change system (robot and EOAT side)
- Extended stroke lengths (varies by model)
- End of beam support
- EuroMap 12 or 67 IMM interface (SPI interface/plug is standard)
- SPI interface plug kit (10 amp/32 pin) for molding machine side
- Transformer for voltages other than 200-220 VAC / three phase

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# AUTOMATE

## SPECIFICATIONS

| Model      | Vertical Stroke (mm) |            | Stripe Stroke (mm) |            | Traverse Stroke (mm) | Max. Payload (kg)      | Machine Weight (kg) |
|------------|----------------------|------------|--------------------|------------|----------------------|------------------------|---------------------|
|            | Main                 | Sub        | Main               | Sub        |                      |                        |                     |
| HRX-800SWi | 1550(1800)           | --         | 1220(1520)         | --         | 2200<br>(2600.3000)  | 20<br>(including EOAT) | 800                 |
| HRX-800GWi |                      | 1550(1800) |                    | 1070(1370) |                      |                        | 900                 |

| Model      | Working Air Pressure (mpa) | Air Consumption (N <sub>l</sub> /Cyc) *1 | Drive System                        | Control Method | Power Supply (V)                    | Power Consumption (W) |
|------------|----------------------------|--|-------------------------------------|----------------|-------------------------------------|-----------------------|
| HRX-800SWi | 0.6                        | 20.3                                     | Digital AC Servo Motor (3 / 5 Axis) | PTP•CP         | 3P 200 ACV +10%/-15%<br>(50Hz/60Hz) | 800                   |
| HRX-800GWi |                            | 20.5                                     |                                     |                |                                     | 900                   |

\*1 Additional 63N<sub>l</sub>/min is consumed for each vacuum ejector

## DIMENSIONS

