



SPRUE PICKING SWING-ARM ROBOTS

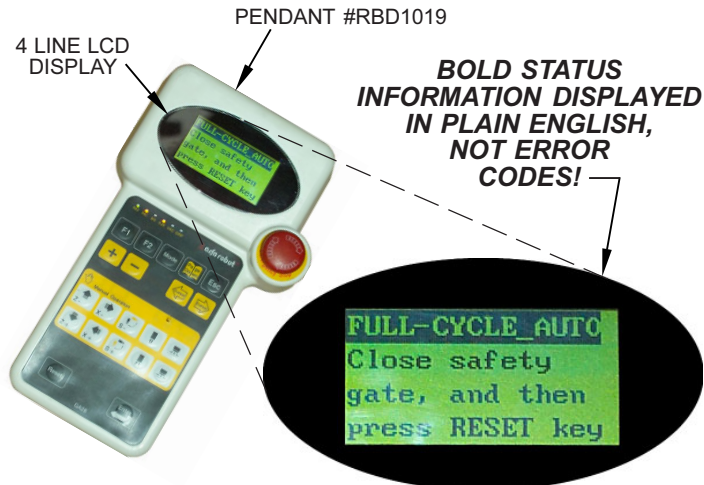
PHOENIX Series - Single Stage & Telescopic Arm

High Speed, High Efficiency, Low Noise, Long Use Life, Super Economy

Phoenix series swing-arm robots with Single Stage and Telescopic Type:

Vertical stroke of Single Stage has a 350/450/550/650mm stroke, suitable for all types of horizontal injection machines under 150T. Vertical stroke of Telescopic Type has a 650/750/850/950mm stroke, suitable for horizontal injection machines under 400T. Full function robot comes with vacuum generator and standard End of Arm Tooling, with twist, grip and vacuum functions.

- Vertical Arm: With alloyed aluminum structure beam and linear slide rail.
- Super strong structure, wear resistance, abiding, low vibration, long use life.
- Precision aluminum alloy parts, completely modular design.
- Easy to adjust the direction of Swivel-out by using a wrench, no need to change tube and switch; saves time.
- Just loosen the screws by a wrench, and the machine can be rotated out of the way for mold change. It's convenient and fast to reduce idle time.

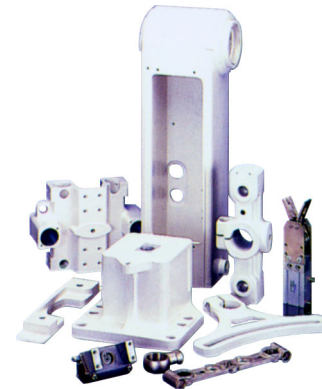


Microprocessor Hand-Held Pendant Controller

The microprocessor based control system provides a hand-held pendant controller. Six (6) visible LED monitors which indicate motion inputs and outputs of machine and robot are located on the controller for maximum ease of operation.

A large four (4) line LCD display provides simple programming and setting of all parameters. There are eight (8) standard programs of preset motion sequences that are installed and additionally, up to twelve (12) "Teach" programs (created by the operator) can be stored. The built-in memory can record up to fifty (50) sets of mold set-ups making this series of robots fully capable of meeting nearly all processing requirements.

Spare output ports are available for controlling various auxiliary equipment such as: conveyor indexing, silicone spraying and degating, etc. Audible and visible operational fault diagnoses are included as standard. Operational sequences, setup parameters and programs are permanently saved even if power is shut off.



Precision Aluminum Castings

The **Phoenix Series Swing-Arm Robots** are constructed on a modular principle to ensure high precision and lightness. Most of the parts are manufactured from aluminum alloy by either precision casting or extrusion.



Telescopic Vertical Arm (VW Models)

Unlike the single-stage vertical arm, the telescopic version uses a unique Nylon belt transmission mechanism inside the vertical arm assembly, which rides on a linear slide-rail for extremely fast moving speed. This design is particularly suitable for low headroom installations or where a long stroke is required.



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