

DEMANDING FLEXIBILITY, SPEED & RELIABILITY !

HYRobotics ZEST Series Take Out Robots, 3 Axis AC Digital Servo.

FOR 150 ~ 250 TONS IMM

Single Arm Robot : ZEST-200S
 Traverse Stroke: **1500 mm** (AC Servo)
 Descent : **800 mm** (AC Servo)
 Kick Stroke : **640 mm** (AC Servo)
 Chuck Rotation : **90 Deg** (Pneumatic)
 Payload : 3 Kg

High Strength Flexible Cable
 Carrier for longer wire
 protection from repetitive
 operation in harsh condition

Digital AC servo Motor for all
 Axis

High Strength Aluminum
 Extrusion Kick Frame
 With Precision Linear Motion
 Guide

Digital AC Servo
 Motor
 with Timing Belt
 Mechanism
 No more Back-
 lash!

Sensor Confirmation Circuit
 Connector (Easy to Set up)

90 Deg, Chuck Rotation for
 protecting Finished Parts

Less foot print with Body At-
 tached Control box

ISO 9001 CE Certified

Sub Arm for 3 Plate
 or Stack Mold
 (Option)

Valve Box for Easy Access

Precision Linear Motion Guide ensure low noise with smooth opera-
 tion. No Maintenance required.

Steel Traverse Base Frame
 for Robust Operation

Pneumatic Distribution
 Manifold (Easy to Set Up.)

Control Features

- Manual , Auto, Step, 1 Cycle operation.
- For SPI Interface (Standard) or Non SPI Interface.
- Basic 4 Position for safety, Waiting, Take out, IMM Start, Release Position.
- Can add up to 80 steps in addition of basic steps including position, motion (Vacuum, Chucking), input delay, output signal to secondary automation
- Each step has Timer Control for Optimum operation
- Mold Maintenance up to 99 Mold.
- Stacking, Insert Molding is on program.
- Optimized 5.7" touch Screen show current operation, manual, step, full auto screen.
- Standard SPI E-Stop Circuit.
- Body Attached Control and IMM interface box minimize fool print
- Rugged and protected plastics case.

Standard Features

- 4 Axis Traverse Robot ! (Traverse, Kick, Descent, Chuck Rotation)
- 3 Axis Servo Operation (Yaskawa Motor : Over 5 million installed)
- 1 Axis Pneumatic Operation (Festo : German Engineered Cylinder)
- User friendly , Standard and Famous HYNC-700 Control
- Up to 80 Steps can be created for 1 mold, 99 Mold Maintenance
- Standard SPI, Euromap 12 IMM Interface (Ready to Run)
- Fast, reliable and easy of maintenance with flexible programming.
- 2 Vacuum circuits with 2 Chuck Units with Verification sensor (4 Point Suction EOAT is included) and one HY sprue Gripper is included
- 4 User input and 4 Output for communication with other Aux.
- Reject Signal allow separate parts to other location.
- 90 Deg Chuck Rotation release ensures part protection.



ZEST-200DY

HYROBOTICS CORP. (www.hyrobots.com)
5988 Mid Rivers mall Dr. ST.LOUIS, MO 63304
Tel : 1-636-578-6059, Fax : 1-866-232-5594

All information is subject to change without notice.