MAIN CONTROLLER FEATURES

HYNC-700: 5.7 Inch Touch Screen Controller. (FOR NEXIA, ZEST, HYBRID ROBOT)

- HYNC-700 Provide easy and simplified motion control for sophisticated injection molding Robot Automation using color touch screen, servo Jog button, and play back step by step motion control. HYNC-700 control will allow easy plant automation and minimize your set up time and thus maximize your profit with HYRobotics Servo Robots

- Powerful hand held control pendant with full color touch screen.
- Developed specially for the molding industry by automation engineer with years of experience in the field.
- Programming required no special skill or knowledge with 4 Basic Take out Step.
- Expandable up to 80 Step with Add position & Motion, User output and User input. (Easy)
- Mold take our Routine are made by teaching the robot via menu driven programming.
- Complex task like parts stacking, palletized insert loading and post process operation are easily accomplished by entering the basic data for the task.
- Input, output and logic circuits allow easy integration with other equipment.
- Adjustable speed controls in both auto (while robot is in operation) and manual mode.
- Minimal floor space required. Simultaneous and coordinated motion control for each Axis.
- Programmable sprue placement during outbound or return traverse motion. Programmable posture control at product extract side. Programmable fixed mold half or moving mold half product extraction.
- Languages: English, Spanish and Korean
- Conveyor or secondary equipment start signal.
- Defective product rejecting circuit.
- K Motion and J Motion is available.
- Movable Controller for Precision Adjustment in mold view.
- Rugged Plastics case with corner guard to protect touch screen and LCD from shock.
**Systems that work, designed and built by people who know and care, HYROBOTICS!**

**SIMPLIFIED WINDOWS BASED TOUCH SCREEN USER INTERFACE ROBOT CONTROL SYSTEM FOR INJECTION MOLDING AUTOMATION**

◆ WHAT IS HYNC-700?

SIMPLIFIED WINDOWS BASED USER INTERFACE COLOR TOUCH SCREEN ROBOT CONTROLLER FOR PLASTICS INJECTION MOLDING AUTOMATION.

◆ HYNC-700 DESCRIPTION

KNOW-HOW ACCUMULATED RESULT OF INJECTION MOLDING ROBOT AUTOMATION SINCE 1980. CUSTOMER (FIELD TECHNICIAN) ORIENTED EASY/TEACH ROBOT PROGRAMMING REALIZATION FOR INJECTION MOLDING AUTOMATION APPLICATION. SIMPLIFIED AND MULTI TASKING ROBOT CONTROLLER, VACUUM, CHUCKING, GRIPPING UNLOADING, INSERT MOLDING, PALLETTIZING AND PALLETTIZED INSERT LOADING. WINDOWS BASED COLOR GRAPHIC USER INTERFACE WITH TOUCH SCREEN.

◆ HYNC-700 APPERANCE

- HIGH STRENGTH RUGGED PLASTIC CASE
- CORNER GUARD FOR SHOCK PROTECTION
- EASY SETUP FOR HAND MOVABLE TOUCH SCREEN
- MORE FLOOR SPACE WITH INSTALLED CONTROL HARDWARE ON ROBOT BODY.

◆ HYNC-700 SPECIALTY

- PLAY BACK ROBOT MOTION CONTROL MODE WITH BASIC 4 LOCATION (WAITING POSITION, TAKE OUT POSITION, UP POSITION, AND UNLOADING POSITION)
- EASY AND SIMPLIFIED ADDITIONAL POSITION AND MOTION BETWEEN STEPS
- MOLD MANAGEMENT PROGRAM HELP TO MINIMIZE MOLD SETUP TIME
- ADJUSTABLE SPEED JOG BUTTON REALIZE EASY POSITION SETUP
- SPEED, TIMER ADJUSTABLE IN AUTO MODE
- INPUT / OUTPUT / INTERLOCK LED MONITORING
- LINEAR CURVE ACCELERATION AND DECELERATION REALIZE FAST AND STABLE OPERATION
- PALLETTIZING AND INSERT LOADING PROGRAM INCLUDE FOR EASY SETUP
- ROBOTIC INDUSTRY SAFETY CIRCUIT WITH SPI INTERFACE CIRCUIT INCLUDED

◆ PROGRAM STRUCTURE FLOW

HYNC-700 REALIZED EASY AND SIMPLIFIED MOTION CONTROL FOR SOPHISTICATED INJECTION MOLDING ROBOT AUTOMATION AND PROVIDES COLOR TOUCH SCREEN, SERVO JOG BUTTON, AND PLAY BACK STEP BY STEP MOTION CONTROL. FUNCTION AND RELIABILITY APPROVED BY NORTH AMERICA AUTOMOTIVE MOLDERS LIKE SUPPLIER FOR FORD, CHRYSLER AND HYUNDAI, KIA, SAMSUNG AND LG ELECTRONICS.

**HYROBOTICS CORP**

5988 Mid Rivers Mall Dr. Saint Louis, MO 63304, USA

**Main Screen**

Easy robot maintenance, setup and sample collection. Mold management and showing auto mode for fore working job after searching origin of servo motor. Error history list included.

**Mold Management**

Mold programs can be made, opened, saved, restored, copied, edited easily. Connected to the step setting mode. Mold program can be stored up to 99 with standard 20 step size (1 mold program can go up to 80 steps).

**Manual Mode**

Vacuum, chucking, gripping, nipper can be manually operated. In / out / interlock signal can be monitored in the screen. On the right side, jog membrane button move the robot arm to the required position.

**Step Screen**

Step selection screen can add each step position, motion, edit with standard 4 main position easily. Simplified step by step motion system. Step can be added with add position and motion up to 80 steps. Jog button stop robot between servo position.

**Auto Screen**

Target cycle, current cycle and unloading palletizing, insert, loading palletizing, motion speed and delay time adjustment, sampling for inspection. And more function.