

# SWAT ! SPECIAL WEAPON AND TACTICS FOR IMM !

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

### FOR 150 ~ 350 TONS IMM

Single Arm Robot : SWAT-300S  
 Traverse Stroke: **1500 mm ( 59" )**  
 Descent : **950 mm ( 37.4" )**  
 Kick Stroke : **830 mm ( 32.6" )**  
 Chuck Rotation : **90 Deg.** ( Pneumatic )  
 Payload : 5 Kg

### 3 Axis Servo Robot

Pulley and Timing Belt Mechanism for operation, Less noise, more precision.

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

High Strength Steel Kick Frame with Precision NSK Linear Motion Guide

YASKAWA servo Motor for Kick and Descent

### ISO 9001 , CE Applied



Solenoid Valve and Sensor Connection Box : Easy to Maintenance

### 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 in program.
- Large 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.

### 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.
- 1 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 Output for communication with other Aux.
- Reject Signal allow separate parts to other location.
- 90 Deg Chuck Rotation release ensures part protection.
- Ready to Install / Operated by Customers.
- Unlimited Telephone Technical support.

NSK Linear Motion Guide ensure low noise with smooth operation. No Maintenance required.

YASKAWA Servo Motor with Timing Belt Mechanism No more Backlash!

Less foot print with Body Attached Control box

Sensor Confirmation Circuit Connector ( Easy to Set up )

90 Deg. Chuck Rotation for protecting Finished Parts

Air Regulator supply clean and regulated air to robot

Visual Inspection for Moisture Build up and Drain

Steel Traverse Base Frame or Robust Operation

Pneumatic Distribution Manifold ( Easy to Set Up. )

Visual Alarm Light Confirms Error

**LIMITED**  
**INTRODUCTORY PRICE**  
**\$ Call Now !**  
**SWAT-300S : 3 Axis Servo**



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

- Double Arm shown in Pictures

**All information is subject to change without notice.**  
 HYRobotics Products are designed and manufactured in ISO 9001 plant in South Korea with CE Certified component. South Korea is country of Hyundai, Kia Automotive and Samsung, LG Electronics. All information is subject to change without notice. Picture may vary for quality improvement