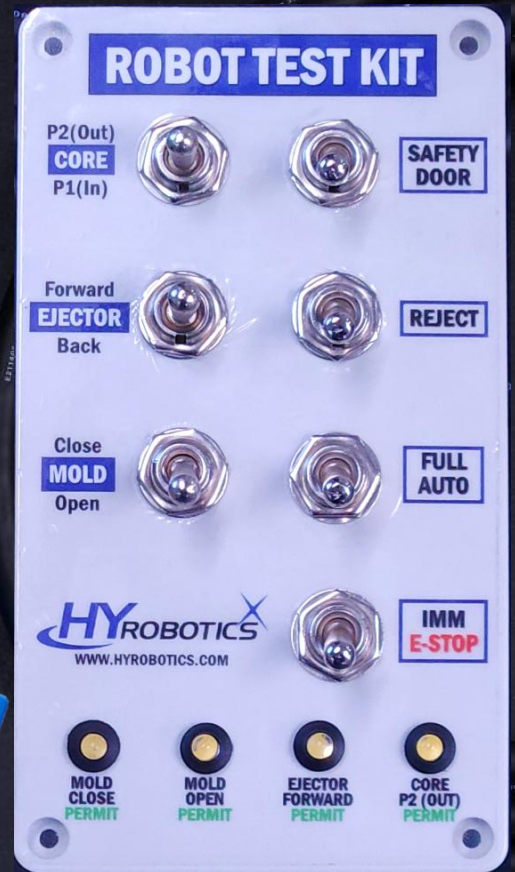
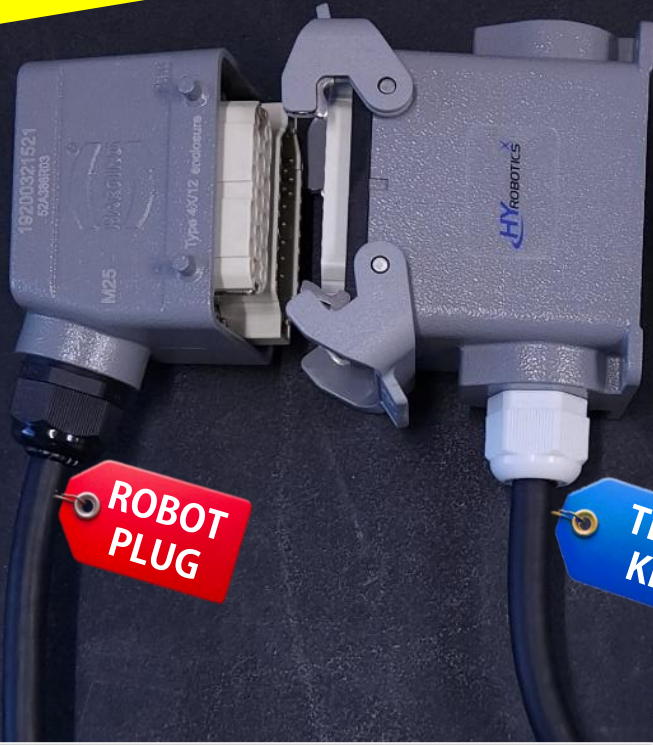


# ROBOT TEST KIT

( Machine Signal Simulator )

*Skip the hassle of operating the machine  
— Test robot operation with ease!*



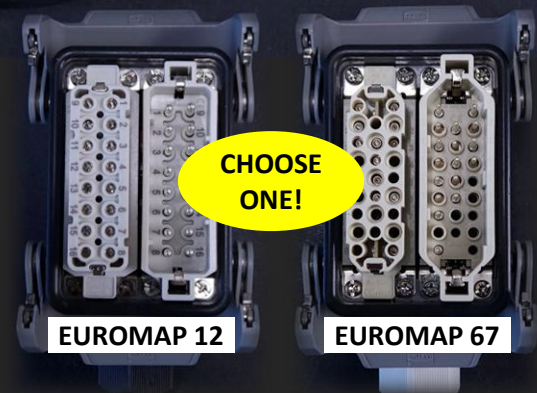
## ROBOT TESTER (IMM SIMULATOR)

PLASTIC BOX WITH TOGGLE SWITCHES  
(OPTIONAL LED BULBS)

DIE-CASTING PLUG HOUSING.

READY TO CONNECT TO THE ROBOT PLUG.

READY FOR BOTH EUROMAP 12 & 67 TYPES!



### <MACHINE SIGNALS TO ROBOT> /w Toggle Switches

- MACHINE E-STOP
- MOLD OPEN / MOLD CLOSE
- EJECTOR FORWARD / RETRACT
- CORE IN / OUT
- SAFETY DOOR OPEN / CLOSE
- FULL AUTO
- REJECT (BAD PART)

### <ROBOT SIGNALS TO MACHINE> /w LEDs

**THIS IS OPTIONAL.\***

**ADD OR REMOVE AS YOU WISH!**

- MOLD OPEN PERMIT
- MOLD CLOSE PERMIT
- EJECTOR FORWARD PERMIT
- CORE OUT PERMIT
- ROBOT E-STOP

\* Prices vary depending on the options.

### WARNING

- Do not plug this unit into the molding machine. It is for testing the robot only.
- Ensure the machine is powered off and the safety cage is closed while using this test kit.
- We are not responsible for any damage or accidents.



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www. HYROBOTICS.com 314-574-5777





**Machine Signal simulator**  
**(On/ off contact ) for testing**  
**Robot operation !**

**FOR EUROMAP 67 Robot**  
**JUST PLUG TO ROBOT**  
**& TEST ROBOT !**

**Check if Robot receive molding**  
**machine signal properly**

## **HY-R-T-67 : TEST PLUG FOR ROBOT**

- HYRobotics Robot Test ( IMM simulation )  
Plug for Euromap 67 Robot
- Plastics box with 6 Toggle switch
- Die-casting housing, 25 Female Socket, 25 Male pin for Machine
- Wiring with Cord Grip ( Wiring is done :  
Ready to Use for Robot Test )
- **Order No. : HY-RT-67**
- **Price : \$ 1,950.00**
- **Warning : Do not plug to Molding Machine side ( This unit is only for testing the robot operation )**
- **Test with safety cage is closed.**
- **Not responsible any damage or accident.**

## **SIGNAL FROM IMM TO ROBOT.**

1. 3 Ways Toggle switch
  - Mold open and Closed Signal
  - Ejector forward and backward signal
  - Core in and Out signal
2. 2 Way Toggle switch
  - Safety Door closed and open ( 1 channel )
  - Reject Signal from IMM
  - Full Auto Signal from IMM

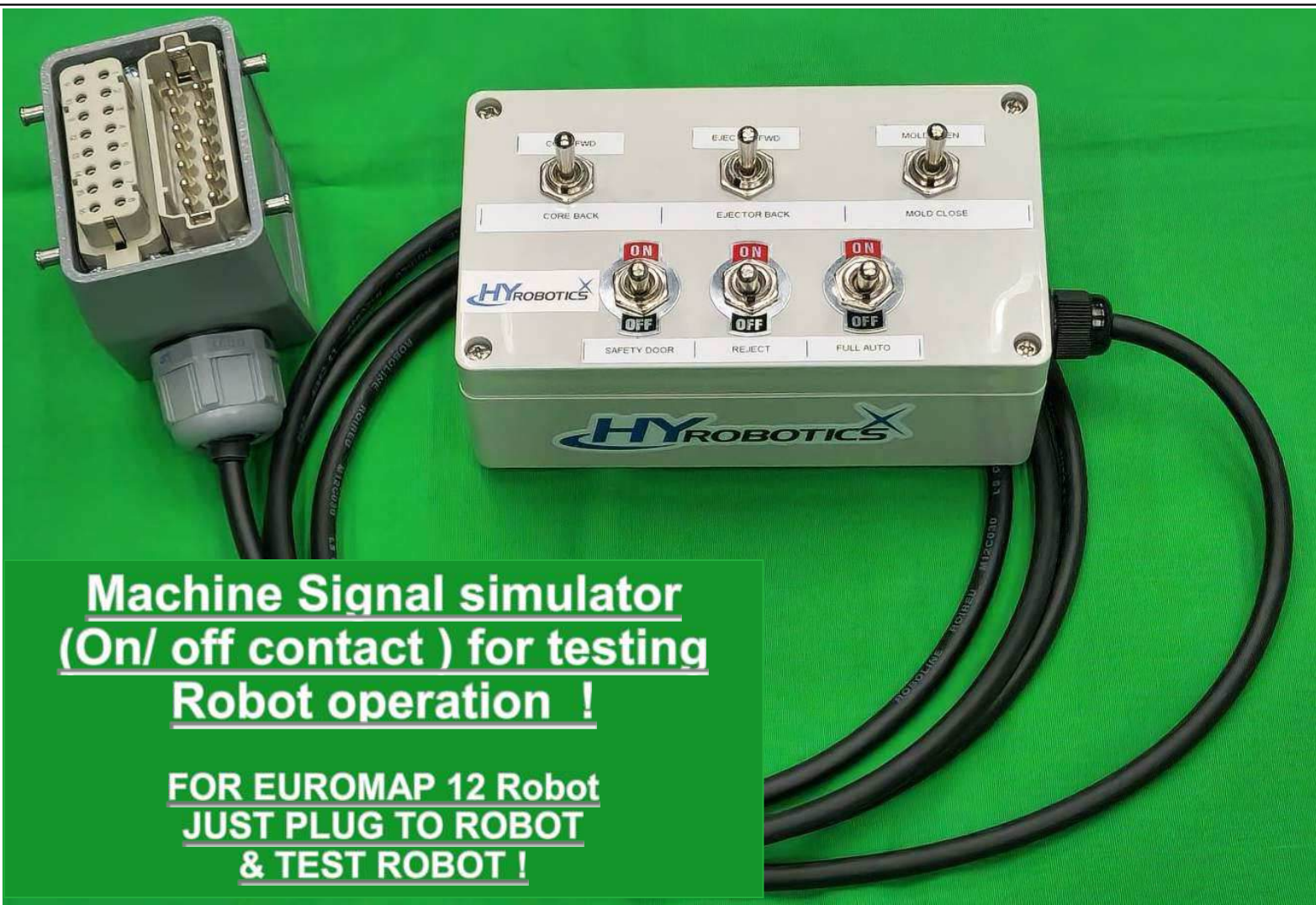
## **SIGNAL FROM ROBOT TO IMM ( Not Included )**

- Mold open and Close interlock, Ejector control interlock signal need to be tested separately with Volt meter
- This plug is testing robot operation.



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**Tel: 1-314-574-5777, Fax : 1-866-232-5594**  
**WWW.HYROBOTICS.COM , Email : Sales@hyrobotics.com**





## HY-R-T-12 : TEST PLUG FOR ROBOT

- HYRobotics Robot Test ( IMM simulation ) Plug for Euromap 12 Robot
- Plastics box with 6 Toggle switch
- Die-casting housing, 16 Female Socket, 16 Male pin for Machine
- Wiring with Cord Grip ( Wiring is done : Ready to Use for Robot Test )
- **Order No. : HY-RT-12**
- **Price : \$ 1,850.00**
- **Warning : Do not plug to Molding Machine side ( This unit is only for testing the robot operation )**
- **Test with safety cage is closed.**
- **Not responsible any damage or accident.**

## SIGNAL FROM IMM TO ROBOT.

1. 3 Ways Toggle switch
  - Mold open and Closed Signal
  - Ejector forward and backward signal
  - Core in and Out signal
2. 2 Way Toggle switch
  - Safety Door closed and open ( 1 channel )
  - Reject Signal from IMM
  - Full Auto Signal from IMM

## SIGNAL FROM ROBOT TO IMM ( Not Included )

- Mold open and Close interlock, Ejector control interlock signal need to be tested separately with Volt meter
- This plug is testing robot operation.



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**WWW.HYROBOTICS.COM , Email : Sales@hyrobotics.com**

Signal simulator  
(On/ off contact )  
for testing Robot  
operation !

FOR EUROMAP  
12 Robot !  
JUST PLUG TO  
ROBOT & TEST  
ROBOT !

Check if Robot  
receive molding  
machine signal  
properly !  
Check if Robot  
permit to mold  
close , ejector  
forward with LED



## **HY-R-T-12 : TEST PLUG FOR ROBOT**

- HYRobotics Robot Test ( IMM simulation )  
Plug for Euromap 12 Robot
- Plastics box with 6 Toggle switch
- Die-casting housing, 16 Female Socket, 16 Male pin for Machine
- Wiring with Cord Grip ( Wiring is done :  
Ready to Use for Robot Test )
- **Order No. : HY-RT-12**
- **Price : \$ 2,250.00**
- **Warning : Do not plug to Molding Machine side ( This unit is only for testing the robot operation )**
- **Test with safety cage is closed.**
- **Not responsible any damage or accident.**

## **SIGNAL FROM IMM TO ROBOT.**

1. 3 Way Toggle switch
  - Mold open and Closed Signal
  - Ejector forward and backward signal
  - Core in and Out signal
2. 2 Way Toggle switch
  - Safety Door closed and open ( 1 channel )
  - Reject Signal from IMM
  - Full Auto Signal from IMM

## **SIGNAL FROM ROBOT TO IMM**

- Mold open and Close interlock, Ejector control interlock signal with LED Light ( 5 volts battery operation )
- This plug is testing robot operation. Do not plug to



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# HYROBOTICS ADAPTOR PLUG



**Machine**  
EUROMAP 67

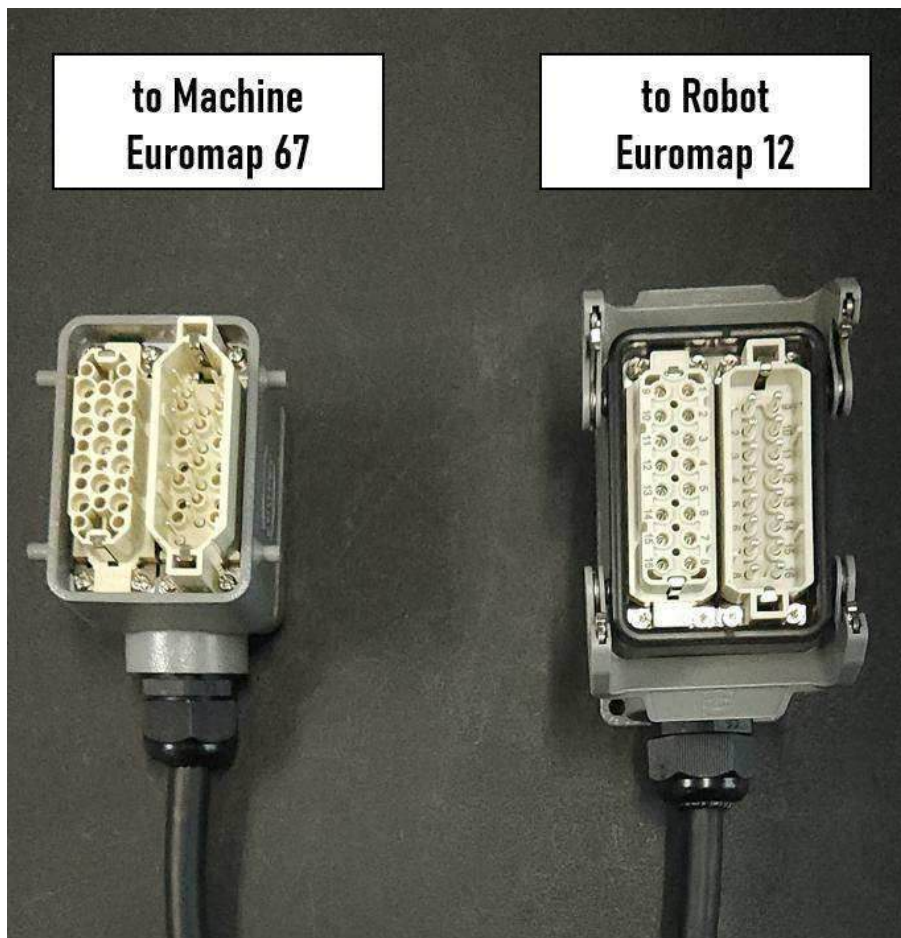


**Robot**  
EUROMAP 12



## HY-67-12-PLUG

- HYRobotics Robot Adaptor Interface Plug for **Molding machine side from Euromap 67 to Euromap 12 Robot**
- Including:
  1. Die-casting Housing, 25 Female Socket, 25 Male Pin for Machine
  2. Die-casting housing, 16 Female Socket, 16 Male pin for Robot
  3. Wiring with Cord Grip (Ready to Use)
- Part #: HY-67-12-PLUG
- **Price: \$ 1,750.00**
- Extra wiring might be required for other optional Interface  
(Depends on Machine manufacturing company and Robot Manufacturing company)



Order or Ask Question at  
[sales@hyrobotics.com](mailto:sales@hyrobotics.com)

**READY TO USE!**  
**JUST PLUG &  
OPERATE ROBOTS!**



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# HYROBOTICS ADAPTOR PLUG



**Machine**  
EUROMAP 12

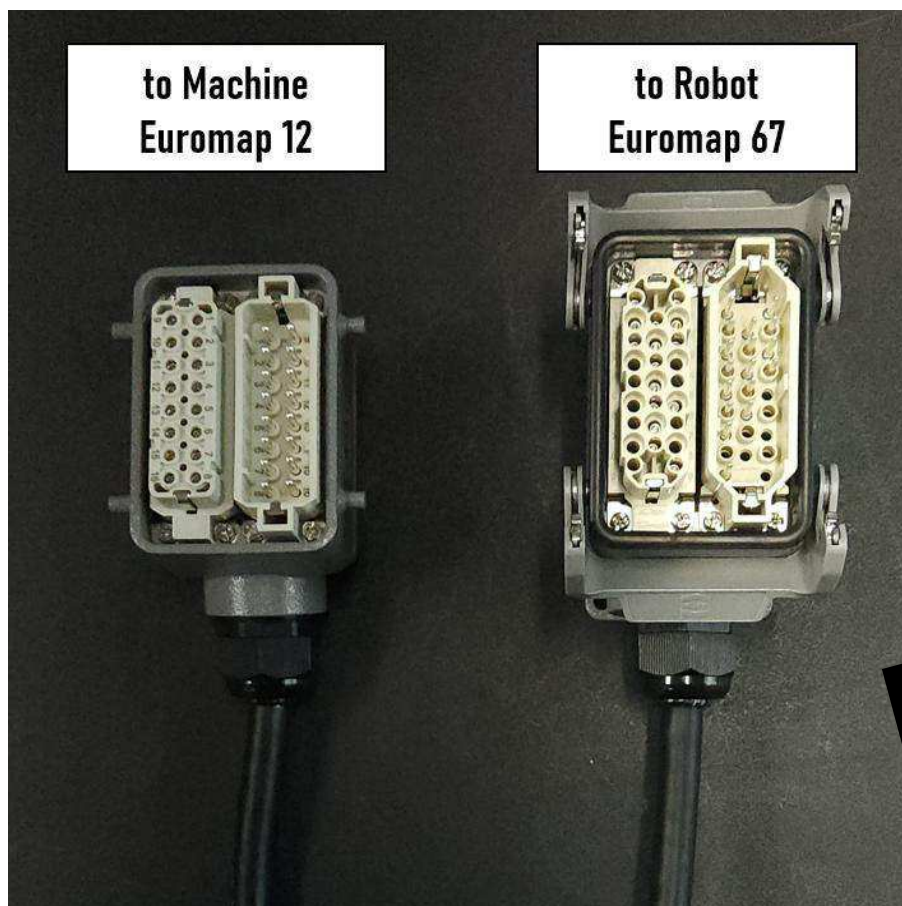


**Robot**  
EUROMAP 67



## HY-12-67-PLUG

- HYRobotics Robot Adaptor Interface Plug for  
**Molding machine side from Euromap 12 to Euromap 67 Robot**
- Including:
  1. Die-casting Housing, 25 Female Socket, 25 Male Pin for Robot
  2. Die-casting housing, 16 Female Socket, 16 Male pin for Machine
  3. Wiring with Cord Grip (Ready to Use)
- Part #: HY-12-67-PLUG
- **Price: \$ 1,750.00**
- Extra wiring might required for other optional Interface  
(Depends on Machine manufacturing company and Robot Manufacturing company)



Order or Ask Question at  
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# HYROBOTICS SPI PLUG for ROBOT & IMM

## For **EUROMAP 12**



### HY-SPI-IMM-12 (For IMM)

- **SPI ( Society of Plastics Industry ) Robot Interface Plug for Molding Machine side**  
(Rectangular hole required)
- Die-Casting housing, 16 female Socket, 16 male pin, Seal for cabinet
- SPI Standard for North America
- Euromap 12 for European Machine
- Part # : HY-SPI-IMM-12
- **Price: \$ 339.00**
- SPI Wiring Information Included

### HY-SPI-DUMMY-12

- **SPI ( Society of Plastics Industry ) Robot Dummy Plug for Molding Machine side**
- Die-Casting housing, 16 male pin
- Wiring Required for Dummy Operation
- SPI Standard for North America
- Euromap 12 for European Machine
- Part # : HY-SPI-DUMMY-12
- **Price: \$ 299.00**
- SPI Wiring Information Included



### HY-SPI-ROBOT-12 (For ROBOT)

- **SPI ( Society of Plastics Industry ) Robot Interface Plug for ROBOT side**
- Die-Casting housing, 16 female Socket, 16 male pin
- SPI Standard for North America
- Euromap 12 for European Machine
- Part # : HY-SPI-ROBOT-12
- **Price: \$ 349.00**
- SPI Wiring Information Included

Order or Ask Question at



# HYROBOTICS SPI PLUG for ROBOT & IMM

## For EUROMAP 67



### HY-SPI-IMM-67 (For IMM)

- **SPI ( Society of Plastics Industry ) Robot Interface Plug for Molding Machine side**  
(Rectangular hole required)
- Die-Casting housing, 25 female Socket, 25 male pin, and Seal for cabinet included
- SPI Standard for North America
- Euromap 67 for European Machine
- Part # : HY-SPI-IMM-67
- **Price: \$ 425.00**
- SPI Wiring Information Included
- Special Crimping Tool might Required

### HY-SPI-DUMMY-67

- **SPI ( Society of Plastics Industry ) Robot Dummy Plug for Molding Machine side**
- Die-Casting housing, 25 male pin included
- Wiring Required for Dummy Operation
- SPI Standard for North America
- Euromap 67 for European Machine
- Part # : HY-SPI-DUMMY-67
- **Price: \$ 345.00**
- SPI Wiring Information Included
- Special Crimping Tool might Required



### HY-SPI-ROBOT-67 (For ROBOT)

- **SPI ( Society of Plastics Industry ) Robot Interface Plug for ROBOT side**
- Die-Casting housing, 25 female Socket, 25 male pin included
- SPI Standard for North America
- Euromap 67 for European Machine
- Part # : HY-SPI-ROBOT-67
- **Price: \$ 449.00**
- SPI Wiring Information Included
- Special Crimping Tool might required



# EPIK Series Take Out Robots

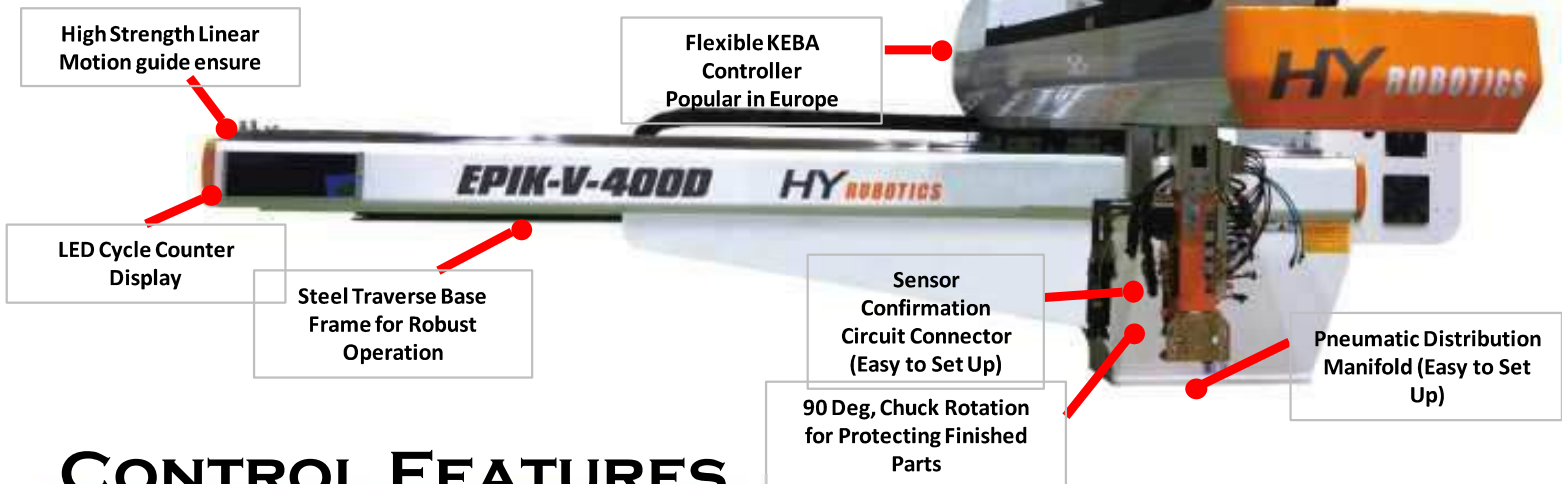
For 200 ~ 4000 Tons IMM

## STANDARD FEATURES

- 4 Axis Traverse Robot ( Traverse, Kick, Descent, Chuck Rotation )
- 3 Axis Servo Operation
- 1 Axis Pneumatic Operation ( Festo : German Engineered Cylinder )
- Telescopic Arm
- User friendly , Standard and Famous HYNC-700 Control
- Euromap 12 or Euromap 67 IMM Interface ( Ready to Run )
- 2 Vacuum circuits with 2 Chuck Units with Verification sensor
- 4 Point Suction EOAT is included is included.
- 8 User input and Output for communication with other Aux.
- Reject Programming with if condition statement.
- 90 Deg Chuck Rotation release ensures part protection.
- Ready to Install / run by Customers.



Flexible KEBA  
Controller  
Popular in Europe



## CONTROL FEATURES

- Easy Mode or Free Programming
- Manual , Auto, Step, 1 Cycle operation.
- SPI 32 Pin or Euromap 67 Interface
- Easy Mode Select, Basic 4 Point , Easy to use Wait- ing, Take out, IMM Start, Release Position.
- Line by line programming can add multiple steps in addition of basic steps including position, motion ( Vacuum, Chucking ), input delay, output signal to secondary automation
- Stacking, Insert Molding is on program.
- Large 7.5" Keba Screen Controller.
- Standard SPI E-Stop Circuit.
- Body Attached Control and IMM interface box minimize foot print
- Industry 4.0 ( Network Access, PC Control, Data collection, Etc. )

More Information  
about EPIK Robot



Click Here



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Email: Sales@hyrobotics.com

# UNIK / UNIK-II Series Take Out Robots

For 30 ~ 1800 Tons IMM

## STANDARD FEATURES

- 4 Axis Traverse Robot ( Traverse, Kick, Descent, Chuck Rotation )
- 3 Axis Servo Operation
- 1 Axis Pneumatic Operation ( Festo : German Engineered Cylinder )
- Telescopic Arm ( UNIK-II Only )
- Euromap 12 or Euromap 67 IMM Interface ( Ready to Run )
- 2 Vacuum circuits with 2 Chuck Units with Verification sensor
- 4 Point Suction EOAT is included
- 8 User input and Output for communication with other Aux.
- Reject Programming with if condition statement.
- 90 Deg Chuck Rotation release ensures part protection.
- Ready to Install / run by Customers.
- Special Custom Programming can be done by customer

**ISO9001**  
**CE Certified**



## CONTROL FEATURES

- Easy Mode or Free Programming
- Manual , Auto, Step, 1 Cycle operation.
- SPI 32 Pin or Euromap 67 Interface
- Easy Mode Select, Basic 4 Point , Easy to use Waiting, Take out, IMM Start, Release Position.
- Line by line programming can add multiple steps in addition of basic steps including position, motion ( Vacuum, Chucking ), input delay, output signal to secondary automation
- Stacking, Insert Molding is on program.
- Large 7.5" Keba Screen Controller.
- Standard SPI E-Stop Circuit.
- Body Attached Control and IMM interface box minimize foot print
- Industry 4.0 ( Network Access, PC Control, Data collection, Etc. )

**More Information  
about UNIK Robot**

 **Click Here**



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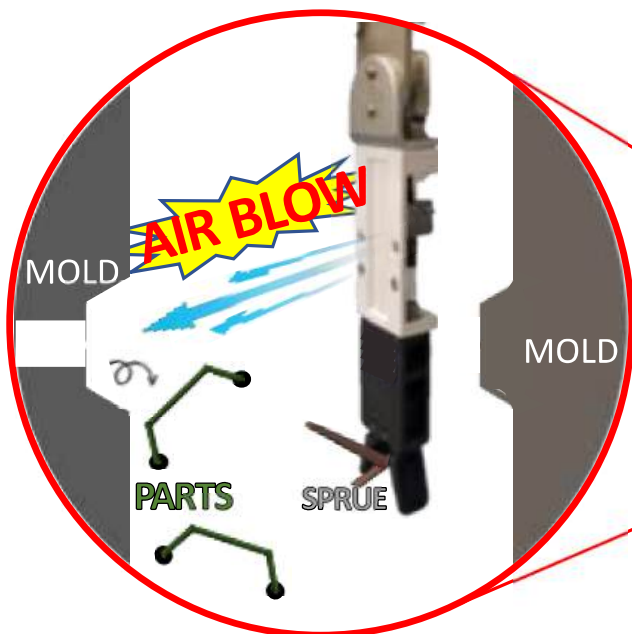
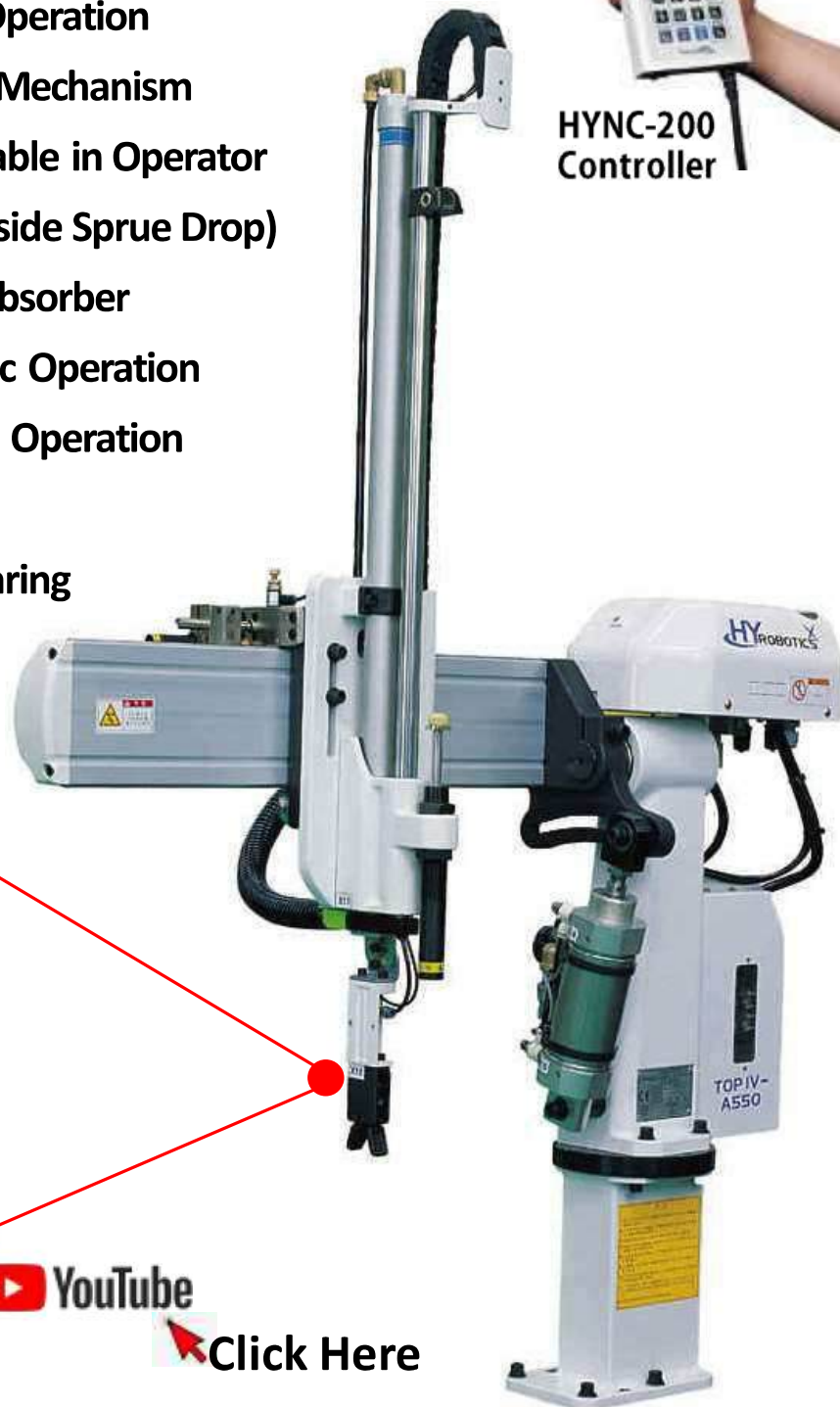
# TOP IV

## SPRUE PICKING ROBOT with **AIR BLOW**

- Gripper with **AIR BLOW NOZZLE**
- Best fits for small molded parts
- For IMM 35 Ton – 450 Ton
- Descent Arm (Y-Axis): Pneumatic Operation
- Festo Actuator: Angle Adjustment Mechanism  
30-85 Deg (Available in Operator and Non-Operator side Sprue Drop)
- Non-Telescopic, Ball Bush, Shock Absorber
- Swing Angle (Z-Axis): For Pneumatic Operation
- Kick Stroke (X-Axis): For Pneumatic Operation
- Quick & Easy Self-Installation
- Single Arm Support, Ball Roller Bearing



HYNC-200  
Controller



 Click Here



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# Labeling Automation with HCR-5



 Click Here



## 1. HCR-5 ROBOT

### Collaboration Robot: No safety fence required

- 6 Axis Servo Robot
- Application : **Labeling / Secondary Automation**
- Controller : Icon based GUI pendant
- Payload : 5 Kg ( 11 lb )
- Max Reach : 915 mm ( 36" )
- Rotation : -180 ~ + 180 Deg
- Speed : 180 Deg / Sec , Tool : 1 meter/Sec
- Repeatability : 0.1 mm
- Total Weight : 20 Kg
- I.O Port : 20 Input, 20 Output
- Power : 110 Volts

## Controller



## 2. LABEL PRINTER\*

### Collaborate work with industrial label printers with peeler / dispenser mode

Full automation for dispense, print-apply labels  
to various items, products, containers or packages.



**Ready To Use**

**Simple To Use**



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# HCR-5 Collaboration robot & Automated Visual Inspection

 **YouTube**  **Click Here**

**Collaboration Robot: No safety fence required**



- HCR – 5 Collaboration Robot
- 6 Axis Servo Robot
- Application : **Visual Inspection**  
**/ Secondary Automation**
- Controller : Icon based GUI pendant
- Payload : 5 Kg ( 11 lb )
- Max Reach : 915 mm ( 36" )
- Rotation : -180 ~ +180 Deg
- Speed : 180 Deg / Sec , Tool : 1 meter/Sec
- Repeatability : 0.1 mm
- Total Weight : 20 Kg
- I.O Port : 20 Input, 20 Output
- Power : 110 Volts



## Cognex In-Sight 2000 Vision Sensor\*

Pass/fail applications that help ensure products and packaging manufactured on an automated production line for error-free / meet stringent quality standards.

(\*Optional product)



## HCR communicates with Vision sensor

### Visual Inspection



### Pick up & Sorting



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