

# 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: \$ 239.00**
- 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: \$ 199.00**
- 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: \$ 249.00**
- SPI Wiring Information Included

Order or Ask Question at

**sales@hyrobotics.com**

# 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: \$ 325.00**
- 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: \$ 245.00**
- 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: \$ 349.00**
- SPI Wiring Information Included
- Special Crimping Tool might required



# HYROBOTICS ADAPTOR PLUG

for

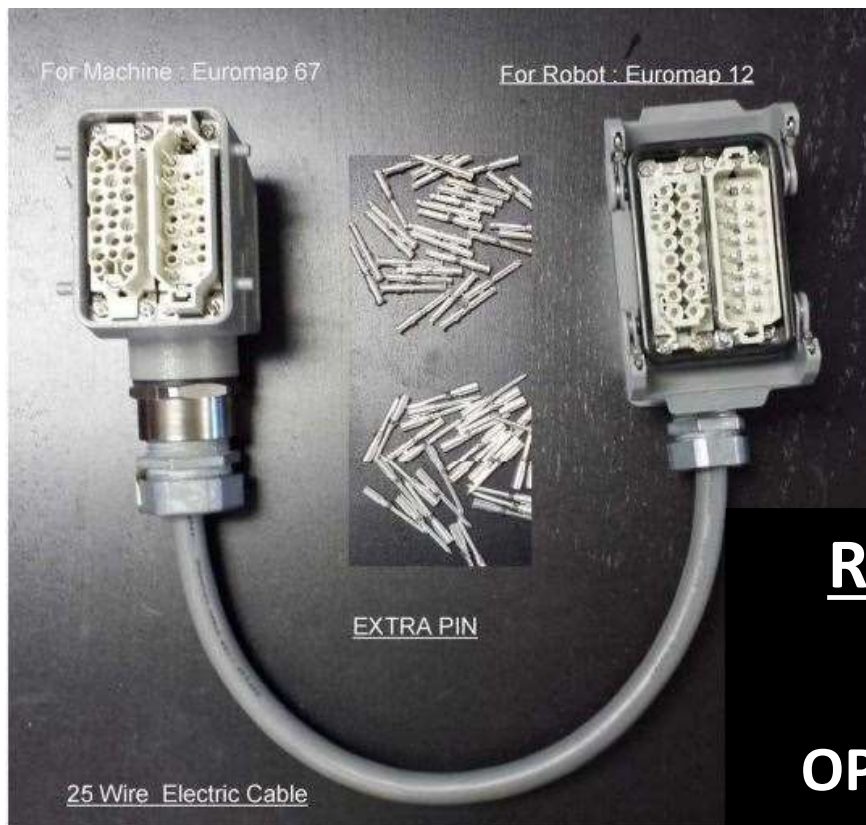
EUROMAP 67  
In Mold Machine



EUROMAP 12  
Robot

## 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)
  4. Extra 10 Female pin, and 10 Male pin
- Part #: HY-67-12-PLUG
- **Price: \$ 1,450.00**
- Extra wiring might required for Core and 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!**



HYROBOTICS CORP

5319 Brown Ave. Saint Louis MO 63120  
[www.HYROBOTICS.com](http://www.HYROBOTICS.com) 314-574-5777



# HYROBOTICS ADAPTOR PLUG

for

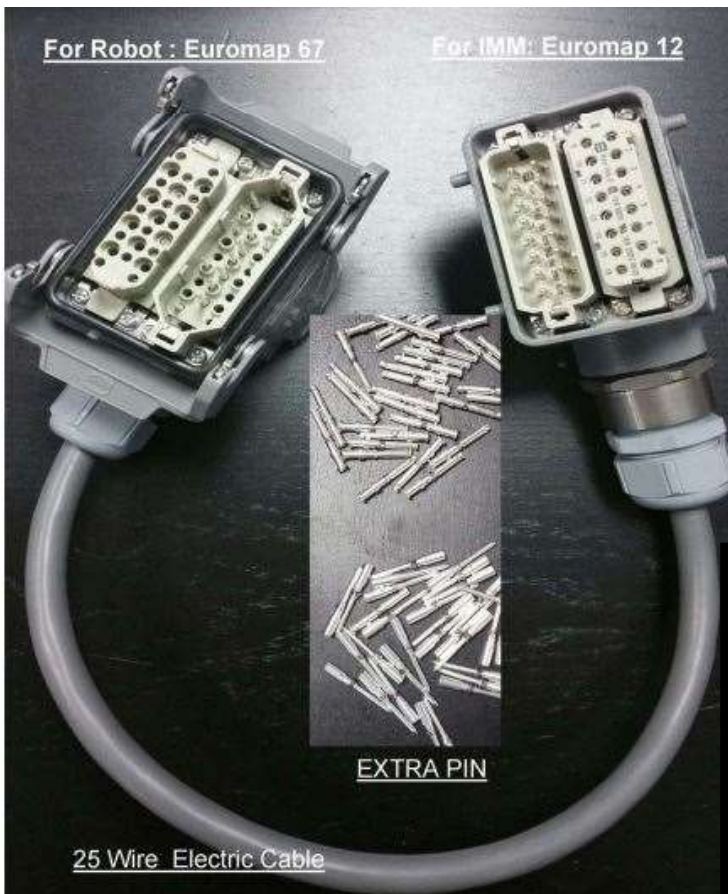
EUROMAP 12  
In Mold Machine



EUROMAP 67  
Robot

## 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)
  4. Extra 10 Female pin, and 10 Male pin
- Part #: HY-12-67-PLUG
- **Price: \$ 1,450.00**
- Extra wiring might required for Core and Other optional Interface (Depends on Machine manufacturing company and Robot Manufacturing company)



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## 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

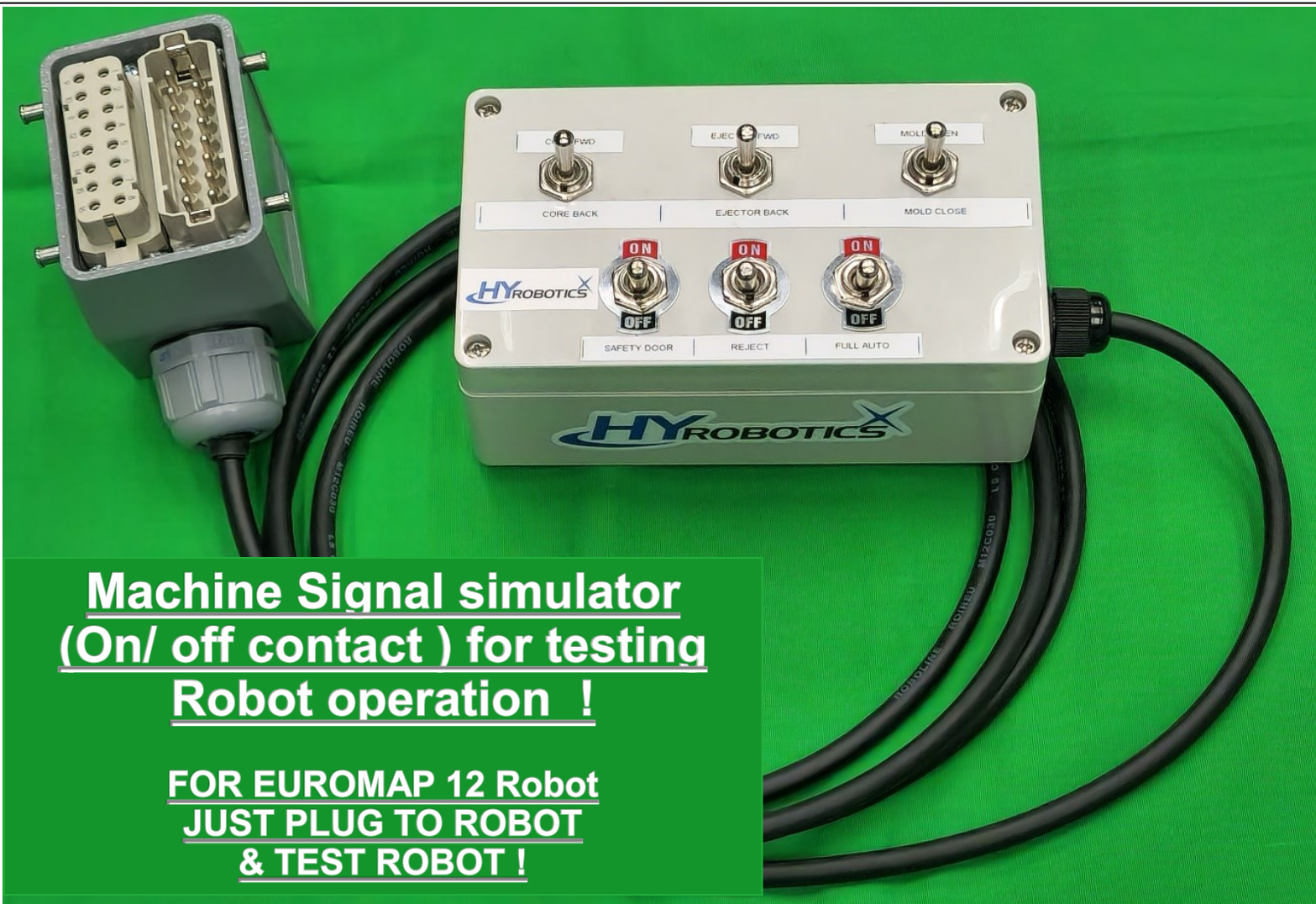
### SIGNAL FROM ROBOT TO IMM ( Not Included )

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

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

### 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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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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# EPIK Series Take Out Robots

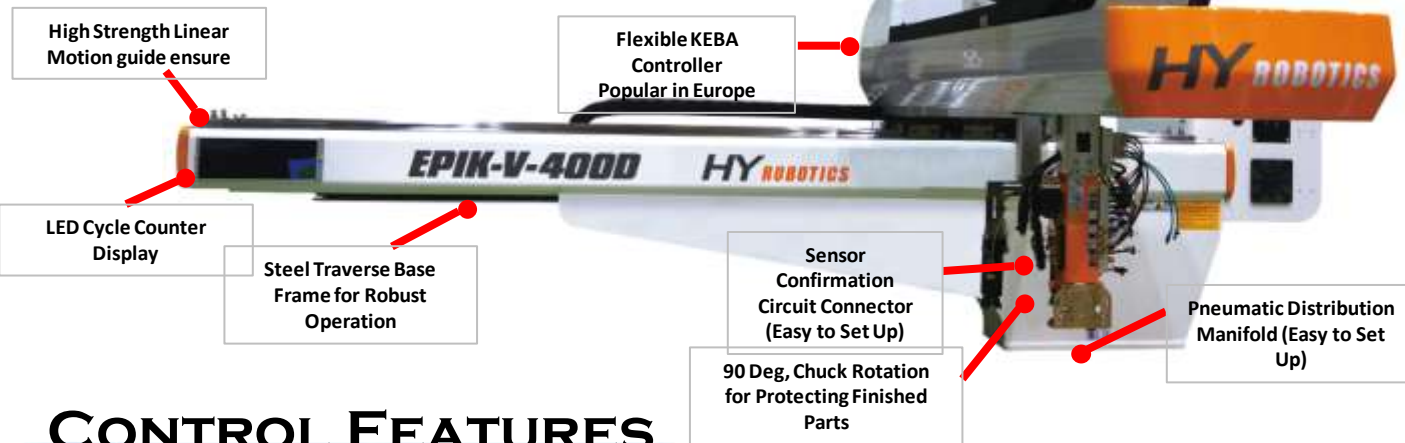
For 200 ~ 4000 Tons IMM

## 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



High Strength Linear  
Motion guide ensure

Flexible KEBA  
Controller  
Popular in Europe

LED Cycle Counter  
Display

Steel Traverse Base  
Frame for Robust  
Operation

Sensor  
Confirmation  
Circuit Connector  
(Easy to Set Up)

90 Deg, Chuck Rotation  
for Protecting Finished  
Parts

Pneumatic Distribution  
Manifold (Easy to Set  
Up)

## 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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# 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 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

High Strength Flexible  
Cable Carrier for  
longer wire protection  
from repetitive  
operation  
in harsh condition  
for all 3 Axis

Pneumatic Distribution  
Manifold (Easy to Set  
Up)

Sensor  
Confirmation  
Circuit Connector  
(Easy to Set Up)

Steel Traverse Base  
Frame for Robust  
Operation

High Strength Linear  
Motion guide ensure

LED Cycle Counter  
Display

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 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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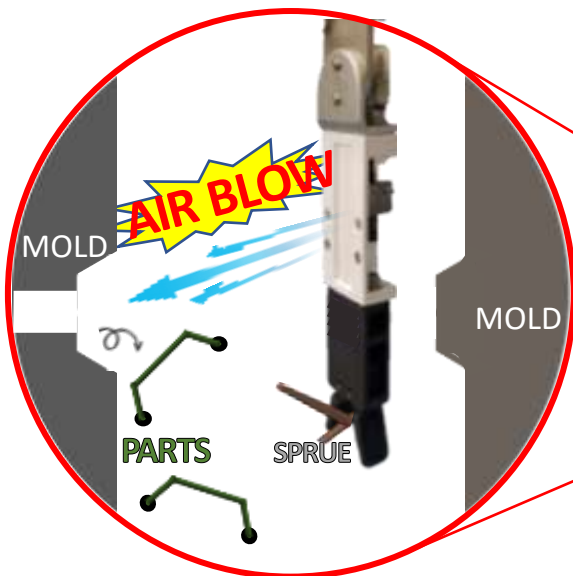
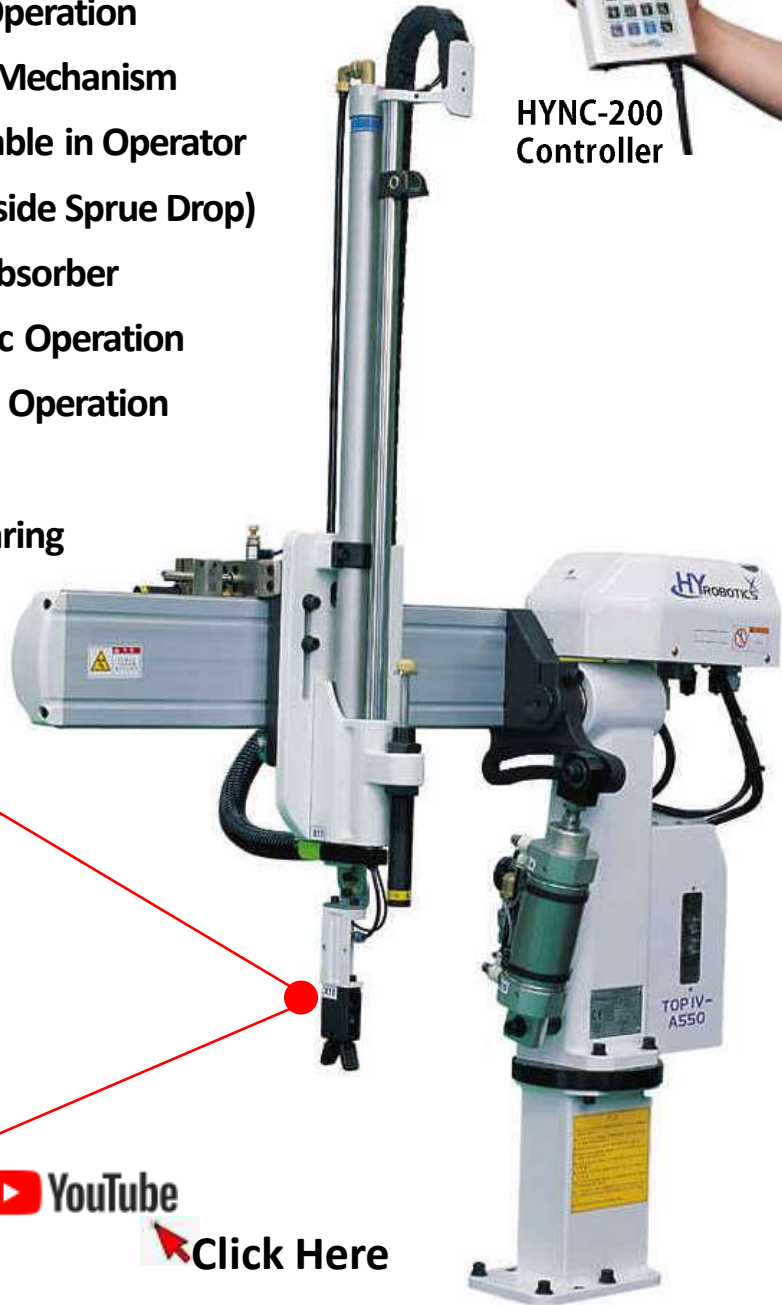
# TOP IV

## 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



# 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



PASS

FAIL

PACKAGING  
PALLETIZING

SCRAP  
DISUSE

