

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.



HYROBOTICS CORP.
5319 Brown Ave. Saint Louis MO 63120
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.

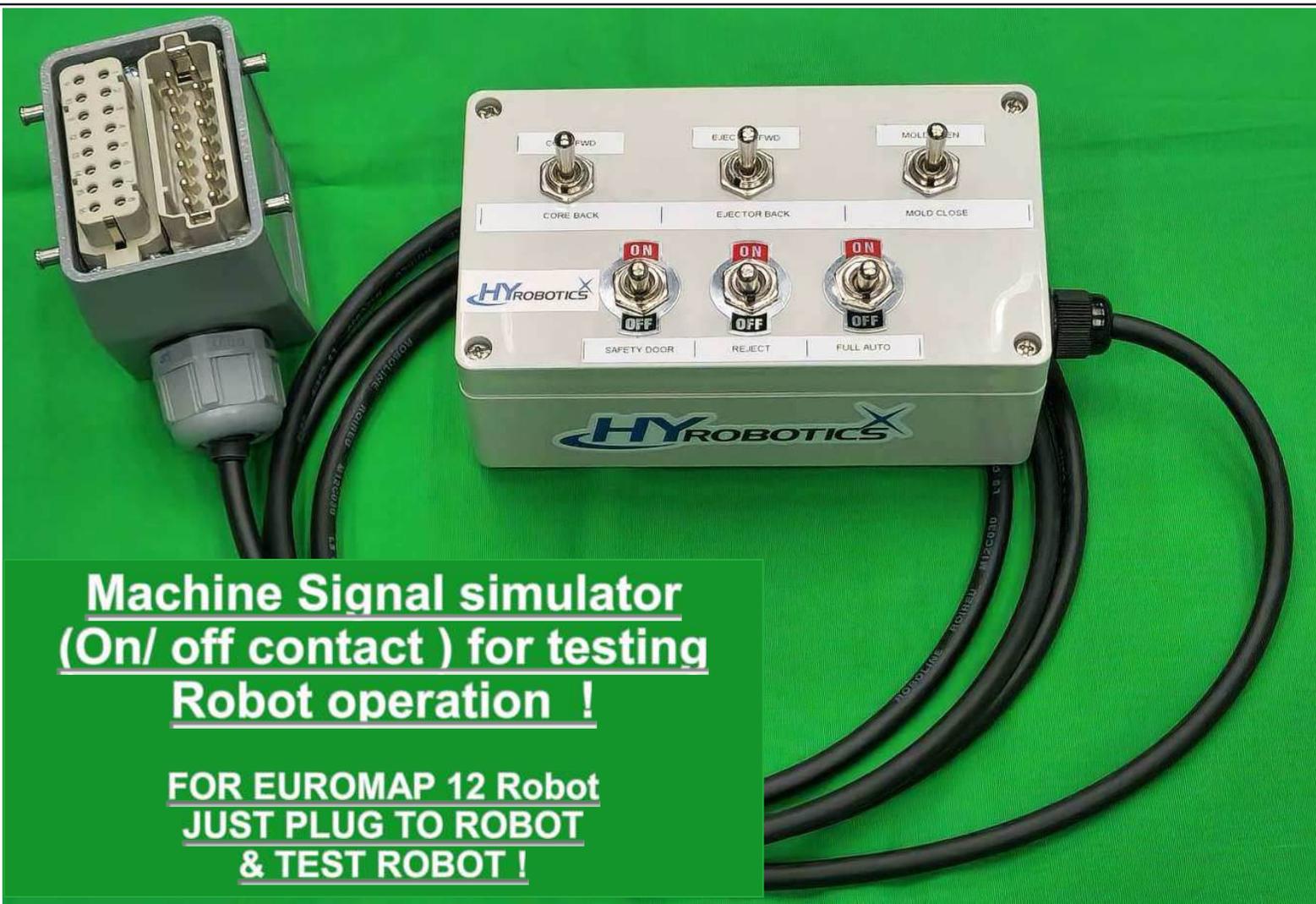
1. 3 Ways Toggle switch
 - Mold open and Closed Signal
 - Ejector forward and backward signal
 - Core in and Out signal
2. 2 Way Toggle switch
 - Safety Door closed and open (1 channel)
 - Reject Signal from IMM
 - Full Auto Signal from IMM

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.



HYROBOTICS CORP
5319 Brown Ave, Saint Louis MO 63120
Tel: 1-314-574-5777, Fax : 1-866-232-5594
WWW.HYROBOTICS.COM , Email : Sales@hyrobotics.com



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.



HYROBOTICS CORP

5319 Brown Ave, Saint Louis MO 63120

Tel: 1-314-574-5777, Fax : 1-866-232-5594

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



HYROBOTICS CORP
5319 Brown Ave, Saint Louis MO 63120
Tel: 1-314-574-5777, Fax : 1-866-232-5594
WWW.HYROBOTICS.COM , Email : Sales@hyrobotics.com

HYROBOTICS ADAPTOR PLUG



Machine
EUROMAP 67

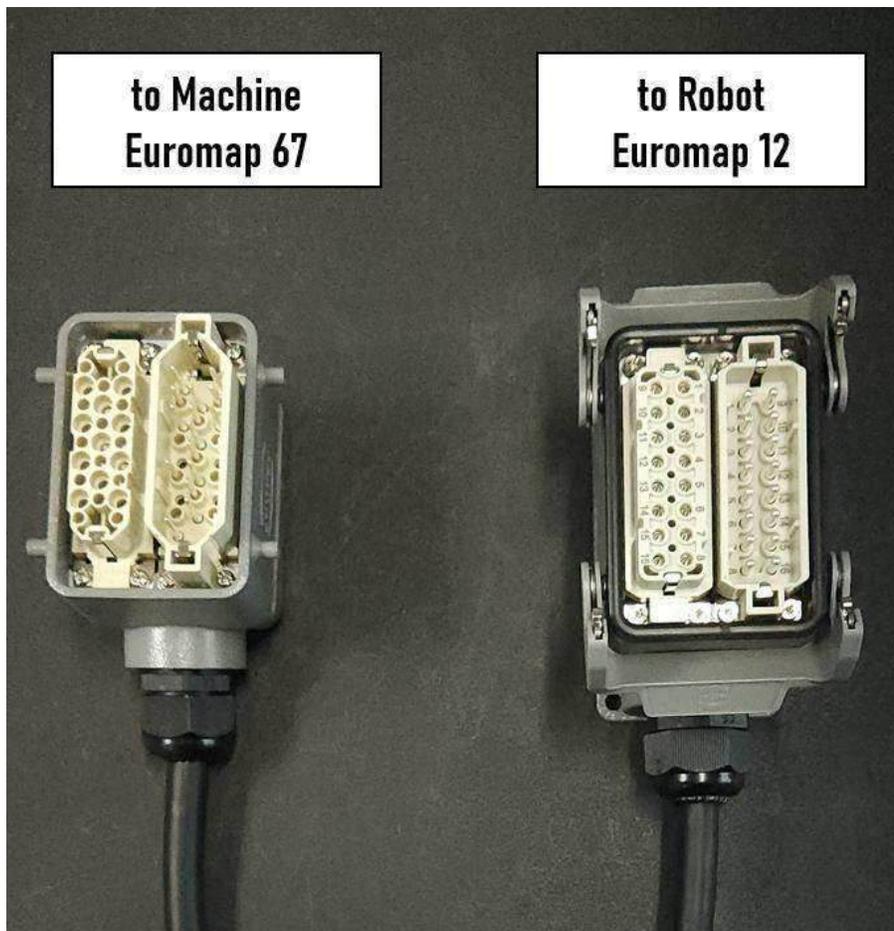


Robot
EUROMAP 12



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

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



HYROBOTICS CORP
5319 Brown Ave. Saint Louis MO 63120
www.HYROBOTICS.com 314-574-5777

HYROBOTICS ADAPTOR PLUG



Machine
EUROMAP 12

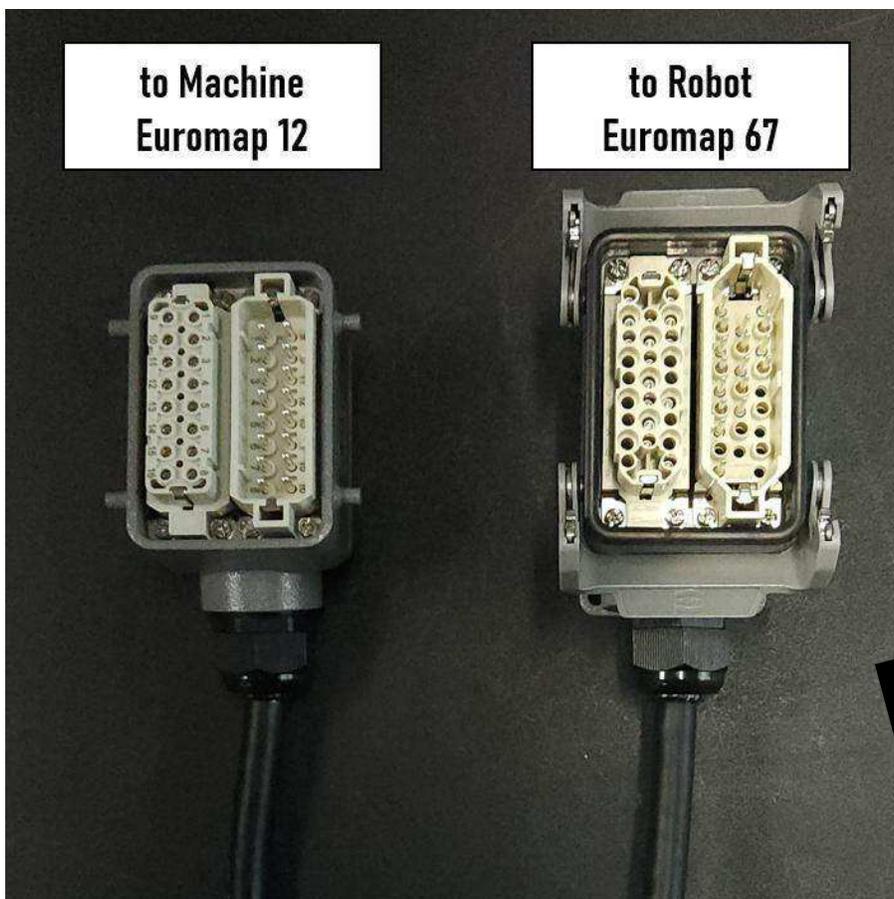


Robot
EUROMAP 67



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
sales@hyrobotics.com

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



HYROBOTICS CORP
5319 Brown Ave. Saint Louis MO 63120
www.HYROBOTICS.com 314-574-5777

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

sales@hyrobotics.com

HYROBOTICS SPI PLUG for ROBOT & IMM

For EUROMAP 67

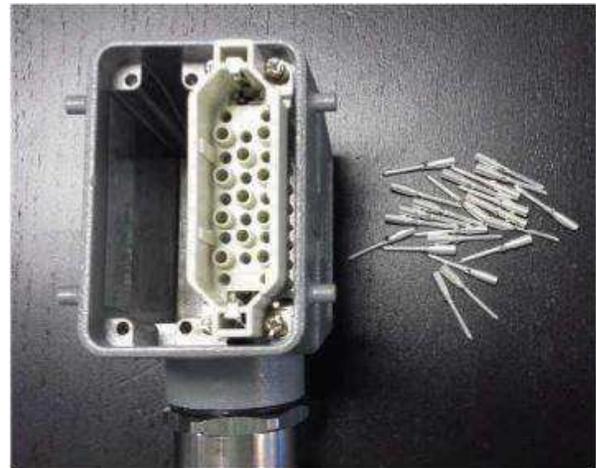


HY-SPI-IMM-67 (For IMM)

- **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: \$ 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](#)



HYROBOTICS CORP, 5319 BROWN AVE. SAINT LOUIS MO 63120

WWW.HYROBOTICS.COM

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 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

High Strength Linear Motion guide ensure

Pneumatic Distribution Manifold (Easy to Set Up)

Sensor Confirmation Circuit Connector (Easy to Set Up)

Steel Traverse Base Frame for Robust Operation

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**



HYROBOTICS CORP, 5319 BROWN AVE. SAINT LOUIS MO 63120

WWW.HYROBOTICS.COM

Email: Sales@hyrobotics.com

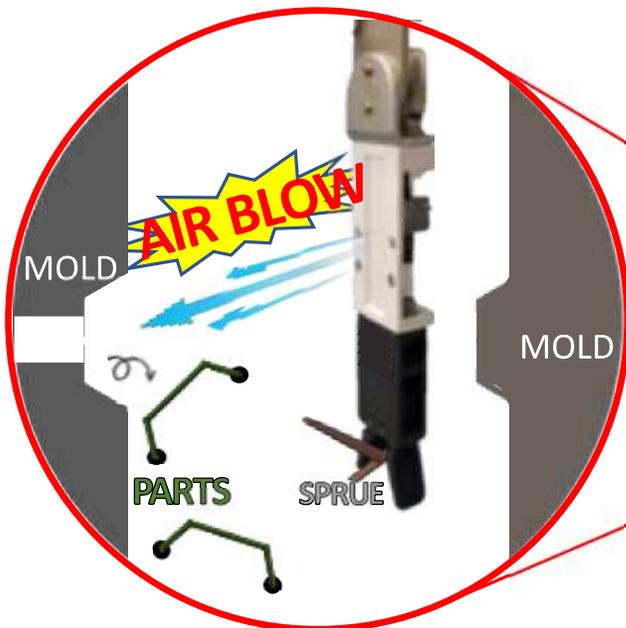
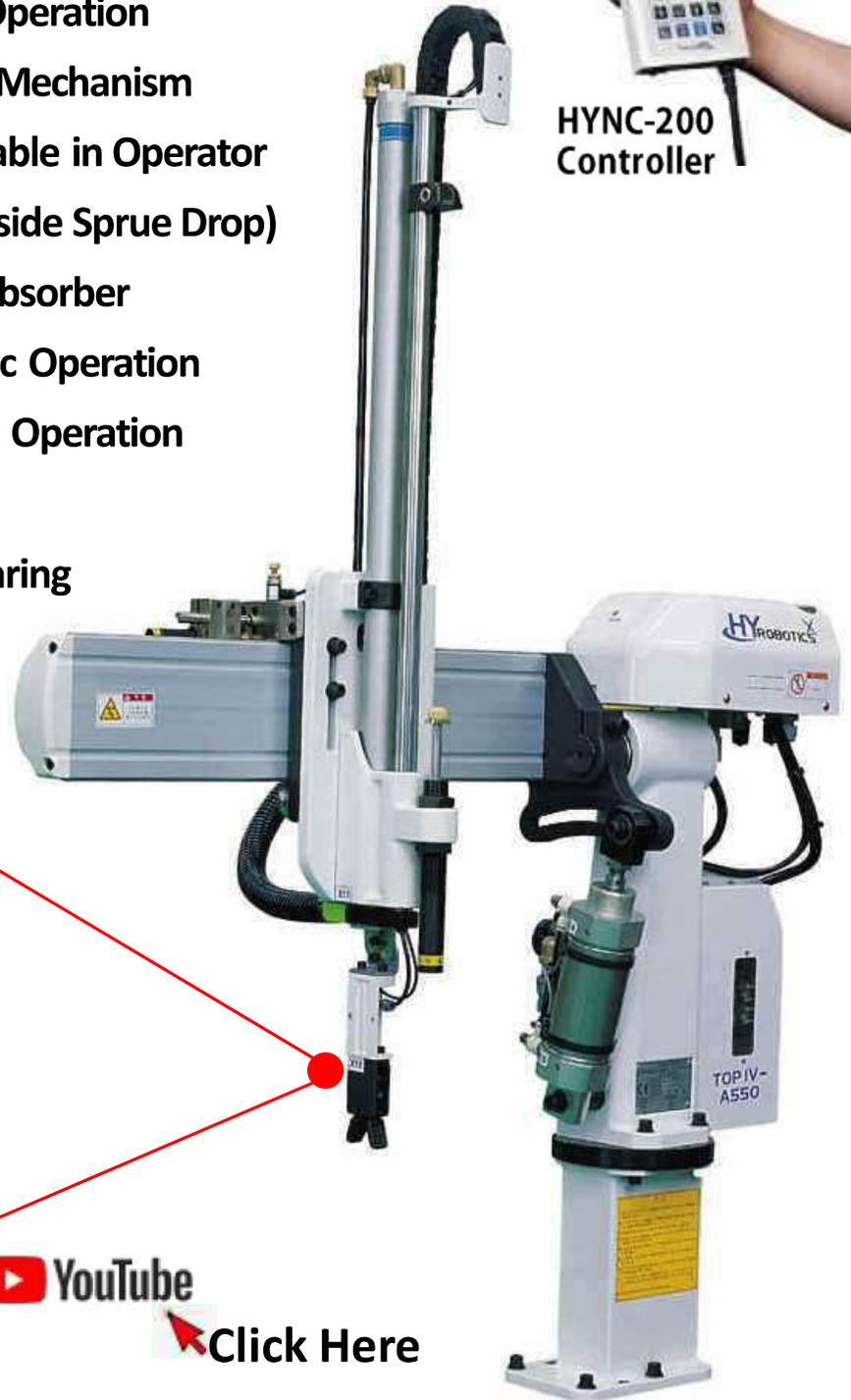
TOP IV

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



HYROBOTICS CORP, 5319 BROWN AVE. SAINT LOUIS MO 63120
WWW.HYCOBOT.COM Email: Sales@hyrobotics.com

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*

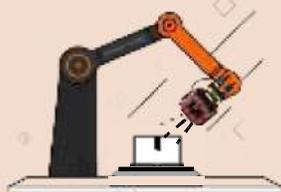
Pass/fail applications that help ensure products and packaging manufactured on an automated production line for error-free / meet stringent quality standards.

(*Optional product)

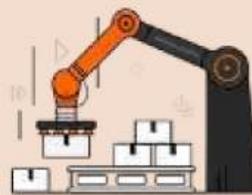


HCR communicates with Vision sensor

Visual Inspection



Pick up & Sorting



PASS

FAIL

PACKAGING
PALLETIZING

SCRAP
DISUSE