ipi: WHO WE ARE

TRUSTED PARTNER

When looking to automate for the first time, it is important to partner with more than a sales company. Experienced automation companies know the value of partnering with a trusted supplier who “has their back.” Our customers trust us to size and select motors, actuators, robots and more. We work with our customers to find real world solutions to automation challenges becoming more than a vendor, but a trusted partner.

THE LATEST TECHNOLOGY

We take pride in bringing the latest technologies to market and implementing them correctly. Our customers use us to take the stress out of deploying technology. We are a Risk Reducer and Success Multiplier.
“We do much more than provide robots, we provide solutions.”

SUPPORT

Our customers rely on us to provide support and system diagnoses. We are experts in solving complex machine automation problems.

TRAINING

Each of our Universal Robots come with a day of startup assistance and on-site training. Typically at the end of one day our customers are ready to move forward with their project, but if more training is desired we have numerous options:

- Regularly scheduled, small group training at one of our 4 offices
- Factory training at UR’s California, Texas or New York offices
- Online training classes available for Universal Robots and other products
- Extended on-site training with one of our application engineers

THE FINAL MILE OF AUTOMATION

The Final Mile of Automation is the EOAT, or End of Arm Tool, and it presents the greatest challenge to robot deployment to manufactures of all sizes. In-Position Technologies brings the resources of our suppliers, engineers and PSI partners to provide complete robotic solutions, including the EOAT.

APPROXIMATE SYSTEM COST:

<table>
<thead>
<tr>
<th>Description</th>
<th>Complex Application</th>
<th>Simple Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOAT Design</td>
<td>$8,000.00</td>
<td>–</td>
</tr>
<tr>
<td>Robot &amp; Materials (URS)</td>
<td>$56,500.00</td>
<td>$45,000.00</td>
</tr>
<tr>
<td>Vision System</td>
<td>$10,000.00</td>
<td>$5,000.00</td>
</tr>
<tr>
<td>Install 1 Week / 1 Day</td>
<td>$7,000.00</td>
<td>–</td>
</tr>
<tr>
<td>Floor Fixturing &amp; Stand</td>
<td>$5,000.00</td>
<td>$3,500.00</td>
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<tr>
<td>Robot Shipping</td>
<td>$1,625.00</td>
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<tr>
<td>Travel</td>
<td>$3,000.00</td>
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<tr>
<td>Total</td>
<td>$91,125.00</td>
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</tr>
</tbody>
</table>

877-478-3241
UNIVERSAL ROBOTS

UR3, UR5 & UR10 ROBOTS

Our three different collaborative robots are easily integrated into existing production environments. With six articulation joints, and a wide scope of flexibility, the collaborative robot arms are designed to mimic the range of motion of a human arm.

FIVE BENEFITS FOR YOUR BUSINESS:

1. FAST SETUP
2. FLEXIBLE DEPLOYMENT
3. EASY PROGRAMMING
4. COLLABORATIVE AND SAFE
5. FASTEST PAYBACK IN THE INDUSTRY

877-478-3241
PRECISION HANDLING

UR robot arms are quick and dexterous, operating at 1 m/s. (39.4 in/sec) with the ability to move each of the six joints 180 degrees per second. The UR robot’s repeatability is ± 0.1 mm (.004 in) for quick-precision handling. True Absolute Encoders acquire absolute position immediately upon power-up, enabling automatic startup and easier integration into other machinery.

CONTROLLER

<table>
<thead>
<tr>
<th>SPECS:</th>
<th>UR3</th>
<th>UR5</th>
<th>UR10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repeatability</td>
<td>±0.1 mm/±0.0039 in</td>
<td>±0.1 mm/±0.0039 in</td>
<td>±0.1 mm/±0.0039 in</td>
</tr>
<tr>
<td></td>
<td>(4 mils)</td>
<td>(4 mils)</td>
<td>(4 mils)</td>
</tr>
<tr>
<td>Payload</td>
<td>3 kg / 6.6 lbs</td>
<td>5 kg / 11 lbs</td>
<td>10 kg / 22 lbs</td>
</tr>
<tr>
<td>Reach</td>
<td>500 mm / 19.7 in</td>
<td>850 mm / 33.5 in</td>
<td>1300 mm / 51.2 in</td>
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<td>IP classification</td>
<td>IP64</td>
<td>IP54</td>
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<tr>
<td>Pricing</td>
<td>$25,000.00</td>
<td>$35,000.00</td>
<td>$45,000.00</td>
</tr>
</tbody>
</table>
MOBILE INDUSTRIAL ROBOTS

MiR100 & MiR100 HOOK

Mobile Industrial Robots (MiR) produces and develops mobile robots for professional use in the industry, manufacturing companies and hospitals. The robot MiR100 automates in-house transport for our customers with a focus on safety in the maneuverings and operation, emphasis on simple set up and a very user-friendly interface.

AN OPEN INTERFACE

CONVEYOR BANDS  CUSTOMIZABLE TOP MODULE  SHELF LIFT  ERP INTEGRATION

MiR100 HOOK

MIR100

877-478-3241
MiR100

MiR100 is a user-friendly and efficient mobile robot for automation of internal transport and logistics solutions. The robot optimizes workflows, freeing up staff resources and allowing you to increase productivity while reducing costs. MiR100 belongs to a new generation of advanced mobile robots which gives you a rapid return on investment, often with a payback period of less than a year.

A unique hook solution makes it possible to automatically grab and deliver trolleys. The new hook can pull a trolley with a payloads up to 300 KG and the mobile robot grabs and delivers the trolley automatically from one fixed position to another.

**SIMPLE OPERATION**

MiR100 can be operated via smart phone, iPad or PC. Operation is simple and user-friendly in all operations. The built-in computer identifies its driving area, and the sensors continuously read MiR100’s location.

877-478-3241
END OF ARM TOOLS

2-FINGER ROBOT GRIPPER

The Adaptive Gripper is made for real manufacturing; use the same Gripper model for all automation cells in your factory. The 2-Finger Adaptive Gripper is compatible with all major industrial robots.

FOR ADDITIONAL INFORMATION, CLICK HERE

FT300 SENSOR

Robotiq's Force Torque Sensors give your robot the sense of touch. By installing a Force Torque Sensor on your robot, you’ll be able to reliably perform precision part insertion, assembly and fabrication and product testing.

FOR ADDITIONAL INFORMATION, CLICK HERE

MANUAL TOOL CHANGER

Take advantage of your collaborative robots flexibility with fast and repeatable manual tool changes. With a single lever cam lock, tool changes are effortless. Designed to attach to Universal and other collaborative robots with the M6 supplied screws, this tool changer includes the MTC-M8 tool plate to attach to 1.5” (40mm) T slot extrusions with M8 or 5/16-18 SHCS.

FOR ADDITIONAL INFORMATION, CLICK HERE
The MV-40 redefines the imaging market as the smallest IP65/67-rated, true-industrial Ethernet smart camera. With the library of Microscan's machine vision tools on board in a rugged, ultra-compact case, the MV-40 is the complete package for solving any vision inspection challenge under any condition.

**FOR ADDITIONAL INFORMATION,**  [CLICK HERE](#)

**VISION HAWK**

The Vision HAWK® is a flexible industrial smart camera that delivers powerful vision capabilities in a compact, easy-to-use package. Developed for vision users of all experience levels in a broad range of applications, the Vision HAWK features an intuitive vision interface, optional C-mount lens design, integrated lighting, high resolution optical zoom, and simple plug and play connectivity.

**FOR ADDITIONAL INFORMATION,**  [CLICK HERE](#)

**WRIST CAMERA**

Robotiq’s Camera brings Plug + Play vision for Universal Robots. The Wrist Camera has a 5-minute setup time, simple object teaching interface, autonomous location of objects and no coding required. This Camera is designed specifically for Universal Robots.

**FOR ADDITIONAL INFORMATION,**  [CLICK HERE](#)
ADDITIONAL PRODUCTS

ROBODK

RoboDK is a versatile offline programming tool with excellent simulation abilities that makes it possible for you to program robots outside the production environment and thus eliminate production downtime caused by shop floor programming. No expert skills are required. You can easily program any UR robot in a few steps from your computer.

FOR ADDITIONAL INFORMATION, CLICK HERE

ARCS

AIRGATE Robot Communication Solutions ARCS basic and ARCS rm (remote management) provides you with an extra communication dimension to your collaborative robots. The easy to install and easy to program solutions enables you to be in touch with your robots through a secure link, which works any time of the day and independently of your location.

FOR ADDITIONAL INFORMATION, CLICK HERE

CABLE CARRIER

triflex® R (R for "round") is the third generation 3-axis energy chains® from igus®. The multi-axis energy supply system triflex® R has been specially developed for the sophisticated 6-axis robotic applications in harsh industrial environments.

FOR ADDITIONAL INFORMATION, CLICK HERE

877-478-3241
ADDITIONAL PRODUCTS

STANDS

Cost effective pedestal stand for UR robots. Frame made from durable Futura Tslot construction. Easily movable with base sitting on lockable casters. Configurable as well as adjustable height options. Mounting brackets for both robot and controller box. Easily add on additional fixtures to any slot on frame with drop in T-nuts.

FOR ADDITIONAL INFORMATION, CLICK HERE

RG2 GRIPPER

The RG2 gripper is designed for a perfect fit on UR robots and is both flexible and easy to use. The high flexibility and easy programming help to reduce payback time of the installation. The RG2 gripper works without any external cables, so any robot movement can be carried out without worrying about cable placement.

FOR ADDITIONAL INFORMATION, CLICK HERE

ROBOSUIT

The Robosuit® is a protective cover for the full range of UR arms – the UR3, the UR5 and the UR10. Each cover is custom-manufactured to your specific application and need and will protect your UR robot from extremes in temperature, sharp metal turnings, cutting fluids and coolants, and particulate (grit, dust and debris).

FOR ADDITIONAL INFORMATION, CLICK HERE

877-478-3241
ADDITIONAL PRODUCTS

VACUUM GRIPPER

Port Grippers have a series of limiting orifices. They may be used horizontally or vertically. The vacuum can be energized prior to approaching the product, decreasing cycle time. These grippers only require 70% of the surface of an item to be covered while maintaining a secure grip.

FOR ADDITIONAL INFORMATION, CLICK HERE

SPL SUCTION CUPS

SPL suction pads are used to handle heavy loads such as metal sheets or glass panels. They have internal cleats allowing them to handle thin metal sheets without distorting them and for vertically handling (non-slip). SPL suction pads are delivered without holes for fittings or with your choice from our range of standard models or specific models on request.

FOR ADDITIONAL INFORMATION, CLICK HERE

CBC SUCTION CUPS

The COVAL C series high-performance suction cup range has been designed to meet the requirements of the automotive industry. The improved characteristics of the C series range optimize production tools in all spheres of activity and have a full range of diameters to meet every requirement.

FOR ADDITIONAL INFORMATION, CLICK HERE

877-478-3241
ADDITIONAL PRODUCTS

VP SUCTION CUPS
VP series flat suction cups are specially recommended for handling flat, rigid, smooth products. The extra-flat suction cups provide accuracy in load gripping. These suction cups are used for flat surfaces only.

FOR ADDITIONAL INFORMATION, CLICK HERE

VS SUCTION CUPS
VS range of diameters from 5 to 88 mm. VS series suction cups with bellows are recommended for gripping products on different planes (large deflection) – thus replacing spring systems – and for gripping spherical or cylindrical objects at an angle (ball-joint effect).

FOR ADDITIONAL INFORMATION, CLICK HERE

VSBM SUCTION CUPS
The foam ring is designed for gripping products with an uneven or ridged surface, Ex. Sawn wood, sheet metal, flat surfaces with bumps or hollows. All granular surfaces to which suction cups cannot adhere correctly cannot be airtight.

FOR ADDITIONAL INFORMATION, CLICK HERE

877-478-3241