IR-O

our products

This is a catalog of our robotic, automation and servomotor products and robotic services in Iran.

www.robotic.behnadenergy.com

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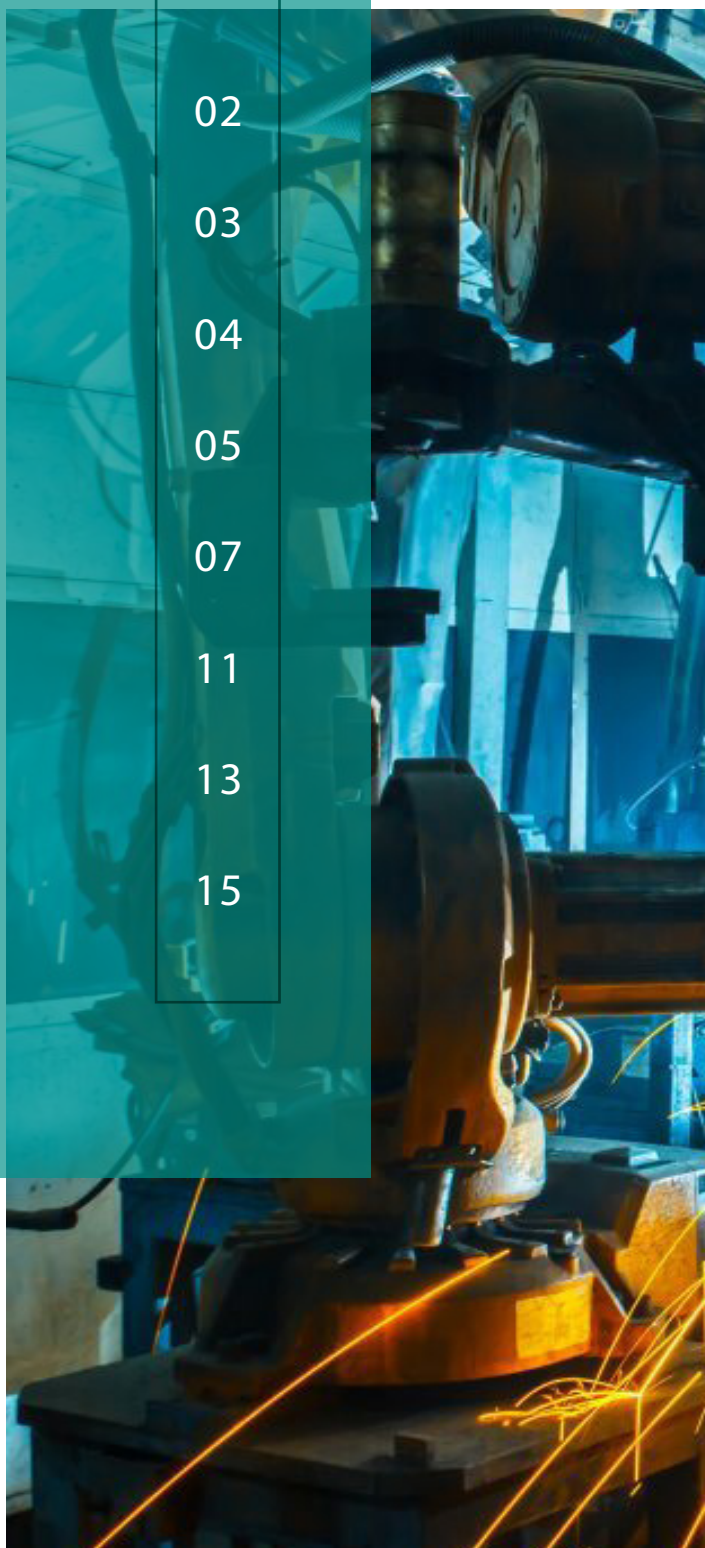


ROBOTIC IN SIMPLE TERMS

IR-O is a leading service robot company that began as a robot software development company. It is developing robotic services and platforms based on service areas: All industries including automotive, oil, gas and petrochemical, painting, welding, cutting, packaging, medicine, delivery, security & patrol, disinfection, and hospitality.

We started with the goal of making robots affordable to customers all over the globe. With well over 1,300 robots in stock, tons of spare parts and 20+ year's experience, we are a one stop shop when it comes to Industrial Robots and Spare Parts.

What (Offering):

Pioneering technology:

1. Products 58%
2. Systems 24%
3. Services & software 18%

For whom (Customers):

1. Utilities: ~ 35% of revenue
2. Industry: ~ 40% of revenue
3. Transport & Infrastructure : ~25% of revenue

Where (Geographies): Asia, Middle East, Africa 38%

Focusing on the supply of robots and than their installation, we sell robots from all the main manufacturers including ABB, Fanuc, Kuka and Kawasaki. We buy and sell robots in large numbers keeping prices low. If you need a robot, robotic system or spare parts then we can help find it or if you need advice on choosing a system, installation, training or programming then we can provide a solution that saves you money.

COMPLETE ROBO

collaborative robot, articulated robot, paint robot, parallel robot, SCARA robot, Application equipment and software Standardized manufacturing cells for material handling, machine tending, welding, cutting, painting and finishing.

Engineering for systems in press automation, body-in-white, paint processes, power train assembly. Industry applications: welding, cutting, picking, packing, palletizing, handling, machining, assembling, testing, etc.

OFFERING

Designing

Industrial design and production lines are also one of our services for our customers.

Maintenance

Periodic maintenance is also very effective in increasing productivity and maintaining consistent quality.

Training

Manpower training is a very important part of controlling and working with robots.

OT PORTFOLIO

HOWTOORDER

The ordering and buying method from us is very simple and convenient.

SEARCHYOURPRODUCT

Search for the product you want or provide us with the technical information and capabilities you need.

CHECKOUTANDPAYMENT

We prepare related and required products for you and provide you with technical and financial information.

FAST DELIVERY

After the purchase, we will transport the goods as soon as possible and deliver, install and set you up on the spot.

OUR COLLECTION

OUR MINIMALISM

We also now supply robots and automation solutions for palletising, welding, handling, 3D printing, painting, assembly, CAD/CAM, milling and trimming, polishing and every other robotic application. We can provide a single spare part to a completely refurbished robot to a fully functioning robotic cell. All of our robots are fully tested, serviced, repainted and come with our parts warranty. We are here to help. The industrial robot world can be very daunting at first and indeed.

We operate through a team of professional and friendly business development managers who are ably assisted by a worldwide network of distributors and an excellent customer service team. Our customers also have the benefit of exceptionally high levels of technical support from a group of multilingual product experts.

KUKA

KUKA KR 500 R2830 F

The KR 500 FORTEC is our versatile heavy-duty robot that is suitable for a wide range of applications. For example, the Machine Tool variant is predestined for milling applications in the high payload range, while the Foundry variant is perfectly suited to heavy-duty tasks in the foundry.

YASKAWA

YASKAWA MOTOMAN MH50 II-35

Powerful, high-speed robots with long/extended reaches offer superior performance in coating, dispensing, material cutting and handling applications. Wide work envelopes with small interference zones, allow robots to be placed close to workpieces/equipment which reduces required floorspace.

ABB

ABB IRB2600 YEAR 2012

The IRB 2600 is the second model in the sharp generation range with enhanced and new capabilities. It is a compact robot with a high payload capacity. The design has been optimized for targeted applications like arc welding, material handling and machine tending. The IRB 2600 is available in three variants, with options for floor, wall, shelf, tilted or inverted mounting onfigurations.

AUTOMATION STOCKS

PRODUCT SCOPE IN STOCK

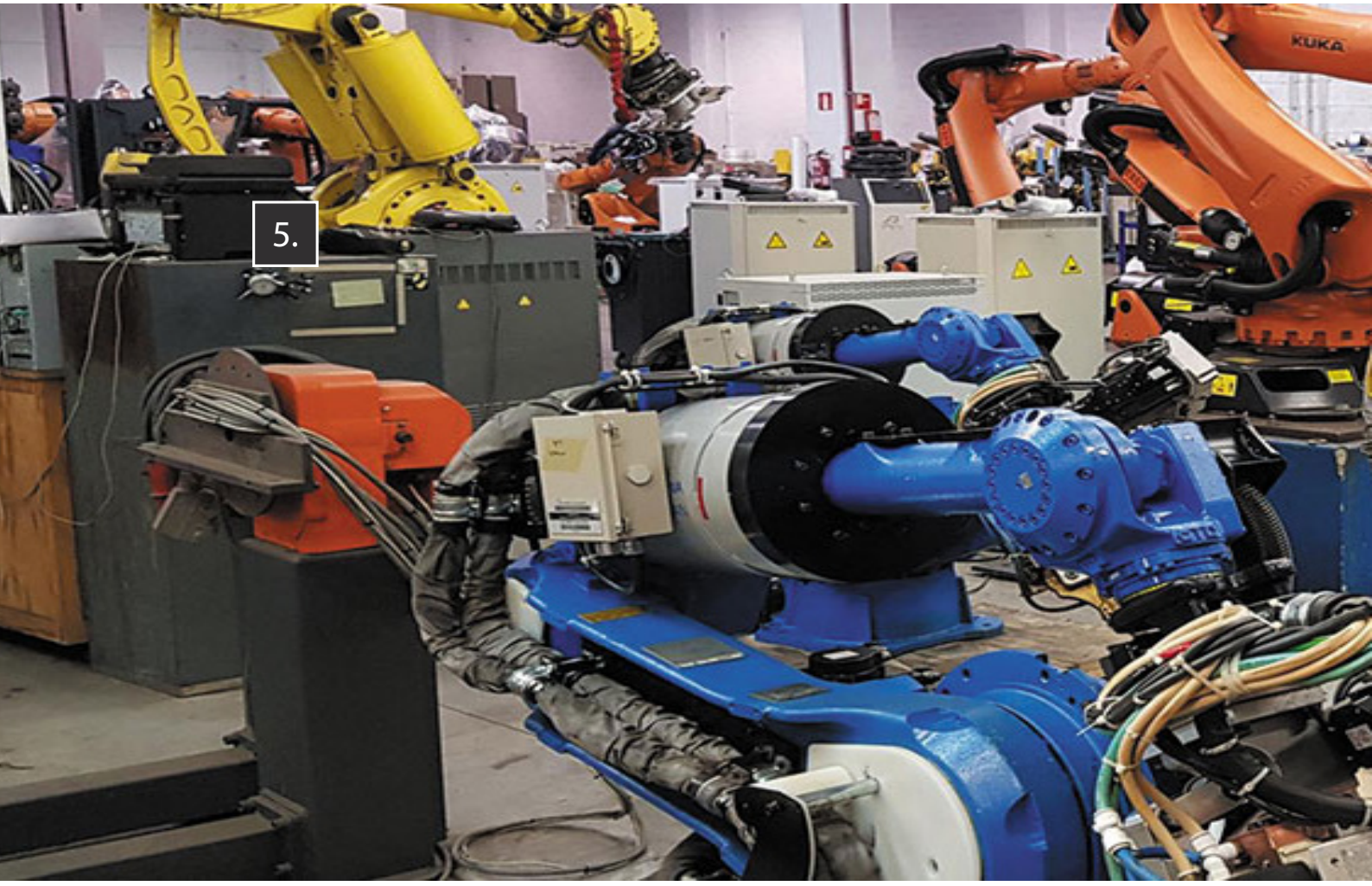
FEATURES

- ROBOTIC AUTOMATION
- SERVO MOTORS - DRIVERS
- INDUSTRIAL AUTOMATION
- SPINDLES
- PLC SYSTEMS
- OTHER ELECTRONIC SPARE PARTS

BUY AND SELL USED ROBOTS

ALL USED ROBOTS KUKA, ABB, FANUC, YASKAWA, MOTOMAN

Utilising either robots from our partner company KUKA, or a customers preferred supplier, we can handle your products, integrating manufactured infeed conveyors and outfeed pallet conveyors to suit all applications. Combining these robots and conveyors with our expertise in the all important area of gripper tool application, your products are on the way to your customers, on time and with quality assured.



WHY A USED ROBOT?

We can offer you robotics solutions, which will allow you to save up to 60% in comparison to the purchase of a new robot. An used robot is an opportunity to return the cost of robotic system in a shorter span of time. An used robot is paid off in 17 to 19 months.

1. USED ROBOT PURCHASE - SALE

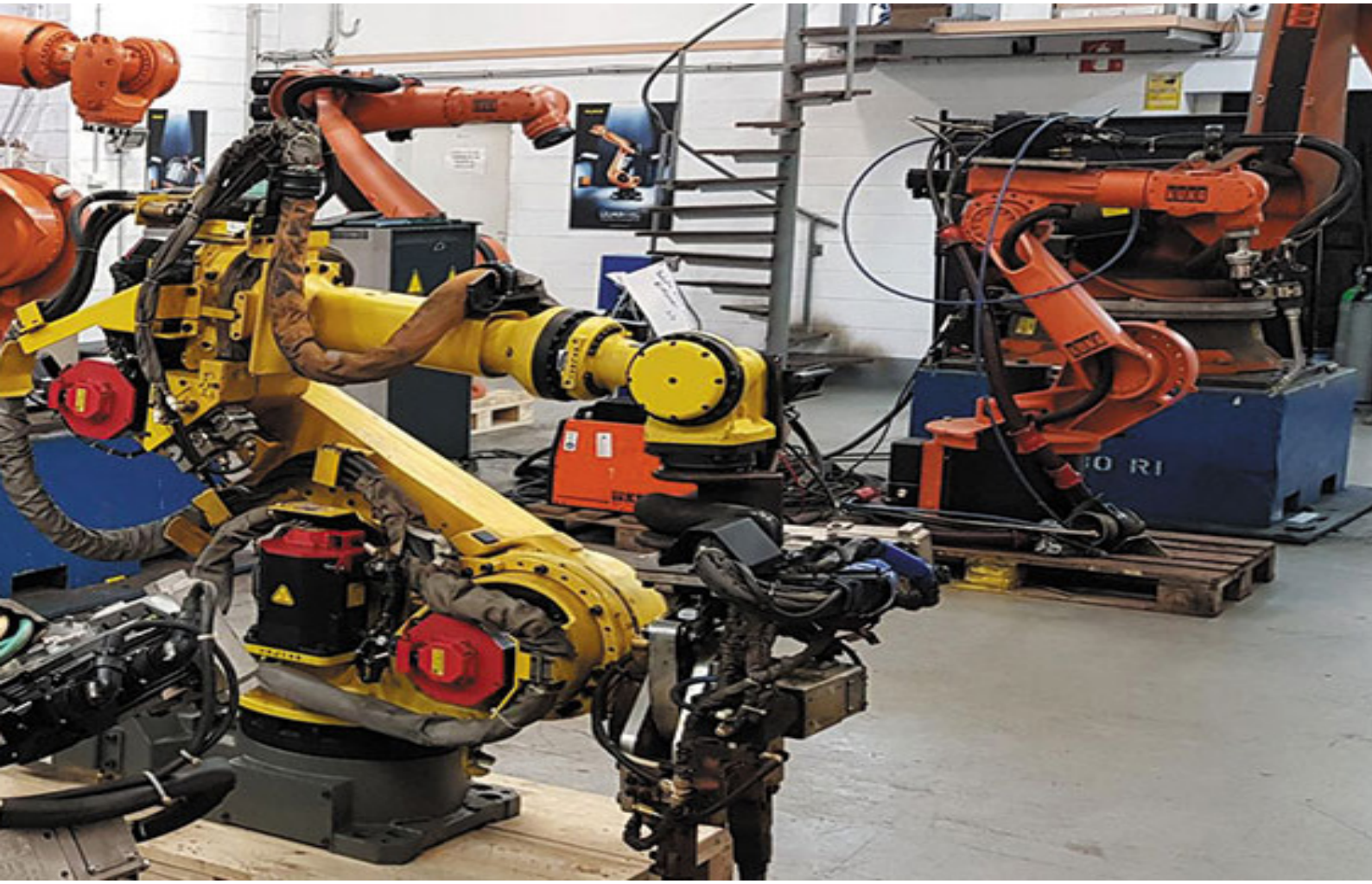
We buy and sell used robots (KUKA - FANUC - ABB - YASKAWA - MOTOMAN) from every country in the world. We offer it to our customers at the most affordable costs. Our priority is not high profits, but customer satisfaction and long-term business relationship.

2. MAINTAINED AND DYNAMIC ROBOTS

We first make technical expertise for the robots we will purchase. We select well-maintained, dynamic and well-functioning used robots (KUKA - FANUC - ABB - YASKAWA - MOTOMAN) for you.

3. TECHNICAL EXPERTISE AND MAINTENANCE

We bring the used robots (KUKA - FANUC - ABB - YASKAWA - MOTOMAN) that we will sell to our technical maintenance facility. We do detailed mechanical and electronic maintenance, we do all the lubrication processes, we complete all the processes required to operate with high performance.



WHY DIFFERENT?

We have earned the trust of our clients, because our service is different. We sell many robots every year, thanks to our attention to the needs of the client, competitive prices and fast operations. To be more precise: Quality - Price: IR-O sells used robots of high quality at competitive prices.

SPARE PARTS BRANDS

TO SUPPLY THE MANUFACTURING WORLD WITH INDUSTRY-LEADING PARTS, SERVICE AND SPEED.

Machines break and downtime can cost companies millions in lost revenue. IR-O gives you access to a global supply of automation parts at your fingertips, ensuring that manufacturers across the world can avoid unnecessary downtime.

Service exchange is an economically and environmentally friendly route to replacing your broken part with a fully functional one. It allows you to dispose of your old unit by exchanging it for a working part.

With IR-O, the buying process is simple. We supply the world with parts and make sure you are always in contact with a native speaking sales executive, who makes everything run as seamlessly as possible.

AS EXPERTS WE KNOW LIKE NO-ONE ELSE THE INCREASING CHALLENGES AND CUSTOMER EXPECTATIONS MANUFACTURERS ARE FACING IN THIS FAST MOVING AND COMPLEX TIMES. WE ARE DEDICATED TO GUIDE YOU TOWARDS SMARTER MANUFACTURING AND BETTER BUSINESS RESULTS. DISCOVER HOW OUR CUSTOMIZED SOLUTIONS HAVE HELPED MANUFACTURERS ACROSS THE WORLD:

- boost efficiency
- become agile and flexible
- improve safety & security

100%

ORIGINAL

1. ABB SPARE PARTS
2. OMRON SPARE PARTS
3. DELTA ELECTRIC SPARE PARTS
4. BOSCH REXROTH SPARE PARTS
5. ALLEN BRADLEY SPARE PARTS
6. MITSUBISHI SPARE PARTS
7. SIEMENS SPARE PARTS
8. FANUC SPARE PARTS
9. SCHNEIDER SPARE PARTS

All Schneider Electric Industrial Automation Spare Parts, Components, Equipment are available in our stocks.

All spare parts we sell new and used are in perfect working condition and guaranteed.

ROBOTS

ALL USED ROBOTS KUKA, ABB, FANUC, YASKAWA, MOTOMAN

We can deliver low cost used robots for many manufacturing applications plus we can make robotic tooling devices for your robotic system through our automation partners, if required. We are also specialists in Trumpf cw solid state lasers which are suitable for welding and cutting applications that require a very high manufacturing quality. Our commitment to customer service begins the first time you contact us.

EACH KIT INCLUDES

01 KUKA KR200 L140 ROBOT

Model Year 2008
2.800 mm
140 Kg.

02 KUKA KR200-3 ROBOT

Model Year 2011
2.400 mm
200 Kg.

03 KUKA KR210 ROBOT

Model Year 2003
2.700 mm
210 Kg.

04 KUKA KR360 L280 ROBOT

Model Year 2004
3.326 mm
280 Kg.

1. WIDE PRODUCT PORTFOLIO

Among the used robots (KUKA - FANUC - ABB - YASKAWA - MOTOMAN) we sell, there are varieties capable of carrying any load. In addition, we keep robots with every working distance and every axis number in our stocks.

2. PROJECT AND INSTALLATION

We provide project support to our customers who buy used robots (KUKA - FANUC - ABB - YASKAWA - MOTOMAN) from our company. Our expert technical team can design the area where the robots will work and we can install the robots in the factory.

3. TRAININGS - TECHNICAL SERVICE - SPARE PARTS AND WARRANTY

We provide user training for the used robots (KUKA - FANUC - ABB - YASKAWA - MOTOMAN) we sell. Our Technical Services in Bulgaria and Turkey, spare parts inventory, our support is available. We currently only able to provide guarantees in Iran.

FANUC Robot
LR Mate 200iC
5L

OUR TURNKEY ROBOTIC

MARBLE PROCESSING APPLICATIONS

In mass production lines, in addition to applications such as transporting and placing marbles, the processing and cutting of the marble are analyzed according to the characteristics and dimensions of the parts to be processed.

With simulation programs, the robot type and the positioner, rotary table or servo rail type to be used are determined according to the robot access on the part with simulation programs. guarantees high precision quality.

YOU WILL BENEFIT FROM

- Rich Selection of Industrial Robots
  Different kinds of delta robots, scara robots, and 6-Axis robots can achieve high payload, optimized speeds, and extended reach for your business.

- Prompt Response To Your Enquiry
  IR-O staff are available 24/7 and will sincerely help tackle your inquiries, product questions, and more questions within 6 hours.

- Expert Technical Support
  Talented experts and engineers are available to help troubleshoot any issues. Expect timely and useful technical support for your needs.

- Hassle-free After-sales
  All of our robotic automated equipment comes with comprehensive after-sale support to give you ease of mind and minimize your downtime.

MACHINE FEEDING APPLICATIONS

- CNC Feeding Robot – CNC Robot Injection Unloading Robot Robot and CNC machine feeding systems are preferred for products with standard sizes and frequent cycle times in terms of overall efficiency.

- It is possible for a single robot to load materials to more than one machine according to the requested loading times.

- Specially designed robot grippers, fixtures, magazines, vibratory feeders and other positioning equipment can be used to assist these processes. The design and setup of all equipment is done according to the principles to be requested at the beginning of the project.

PRESS FEEDING APPLICATIONS

Press Feeding and Unloading Robot

Robotic press feeding applications can be done by feeding the previously stacked sheets to the press in order, as well as making it possible to carry out the parts with the transfer method between the presses.

General coordination of robots and press machines is supported by special software.

PALLETTIZING AND PACKING

Packing, Palletizing and Boxing Robot

Palletizing Robots is a robotic application method that is frequently applied in places that slow down the workforce and where worker health is at risk.

Parcel palletizing, Sack palletizing, Palletizing packages of various sizes are provided with the help of specially designed holders.

The design and manufacture of all necessary components and executive systems for palletizing operations can be done by our company.

SPOT WELDING APPLICATIONS

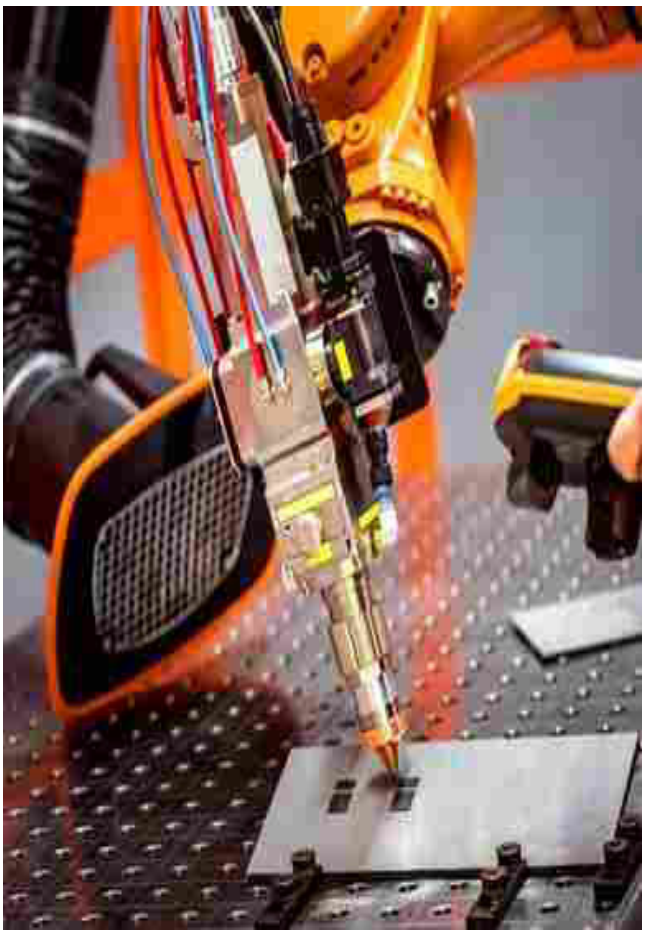
We provide installation, commissioning and service for Robotic Spot Welding application, and we work on accelerating, increasing quality and efficiency in your industrial facilities.

GAS WELDING APPLICATIONS

- MIG/MAG, TIG Gas Welding, Arc Welding Applications

- ROBOTICCO is the right solution partner for its customers' arc welding MIG/MAG, spot and tungsten gas arc welding (TIG) application needs.

- With the experience we have gained in the development of arc, spot and gas metal arc welding systems, we also produce special solutions for other welding applications. If full production automation is requested along with the welding process, other special machinery and systems needed are also designed and produced by us.



PLASMA CUTTING APPLICATIONS

- It can prepare robot systems with the necessary access for cutting sheets of required thickness and deliver them on a turnkey basis.

- The plasma cutting method can be successfully applied by integrating a mechanized plasma torch into the robot.

- Metal parts can be cut quickly, safely and without burrs, as well as additional axes are provided.

WOODWORKING APPLICATIONS

Analyzes are made according to the characteristics and dimensions of the parts to be processed, the robot type and, if necessary, the positioner, rotary table or servo rail type to be used are determined according to the robot access on the part with simulation programs, and our robots guarantee a high quality with the highest precision and repetition accuracy.

SPRUTCAM PROGRAM OR 7TH AXIS (POSITIONARY) CAN BE INCLUDED IN THE PROJECT

PLASTIC CUTTING APPLICATIONS

Analyzes are made according to the characteristics and dimensions of the parts to be processed, the robot type and, if necessary, the positioner, rotary table or servo rail type to be used are determined according to the robot access on the part with simulation programs, and our robots guarantee a high quality with the highest precision and repetition accuracy.

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