

# 东莞工厂优惠供应六轴下料焊接搬运喷涂智能自动机械手机械臂GS-R01两轴三轴四轴五轴六轴工业机器人

产品名称	东莞工厂优惠供应六轴下料焊接搬运喷涂智能自动机械手机械臂GS-R01两轴三轴四轴五轴六轴工业机器人
公司名称	东莞市高必盛压铸智能装备有限公司
价格	128000.00/件
规格参数	品牌:GOBESUN 高必盛 型号:GS-R01S 产地:中国广东东莞
公司地址	广东省东莞市大岭山镇百花洞木棉树路33号101室（注册地址）
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## 产品详情

东莞工厂优惠供应六轴下料焊接搬运喷涂智能自动机械手机械臂GS-R01两轴三轴四轴五轴六轴机器人

五金水口分离机、全自动水口分离机

、自动切水口机、超声波去水口、全自动剪水口、两轴三轴四轴五轴六轴机械手机器人

GS-R01六轴机器人的机械优点

- 1、有很高的自由度，6轴，适合于几乎任何轨迹或角度的工作。
- 2、可以自由编程，完成全自动化的工作提高生产效率，可控制的错误率。
- 3、功能特性，操作非常简便，可实现不同工件之间的灵活快捷更换。
- 4、具有很高的可达性，可以使其手部进入封闭空间内作业，而直角坐标式机器人不能进行此类作业。
- 5、代替很多不适合人力完成、有害身体健康的复杂工作。

6、作业半径范围12cm

7.重量：120-180cm(可以定制)

8.运行轨迹精度：0.02-0.05mm

9.点位精度：0.02mm

10.抓取负载：1-20kgs

GS-R01六轴机器人缺点

1、价格高，导致初期投资的成本高。

2、生产前的大量准备工作，比如，编程和计算机模拟过程的时间耗费长。

3、肘关节和肩关节轴线是平行的，当大、小臂舒展成一直线时，虽能抵达很远的工作点，但机器人的结构刚度比较低。

常见的六轴关节机器人内置有六个伺服电机，直接通过减速器、同步带轮等驱动六个关节轴的旋转。

六轴工业机器人一般有6个自由度，包含旋转（S轴），下臂（L轴）、上臂（U轴）、手腕旋转（R轴）、手腕摆动（B轴）和手腕回转（T轴）；6个关节合成实现末端的6自由度动作，具有高灵活性、超大负载、高定位精度等众多优点。

六轴关节式机器人可用于自动装配、喷漆、搬运、焊接及后处理等工作，使用一直线轴重新定位，可以做出灵活得像人类一样的动作，机器人可以执行操作人员的指令。

六轴的作用

一轴：一轴是链接底盘的位置，也是承重和核心位置，它承载着整个机器人的重量和机器人左右水平的大幅度摆动。

二轴：控制机器人前后摆动、伸缩的重要一轴。

三轴：三轴也是控制机器人前后摆动的一轴，不过摆动幅度比第二轴要小很多，不过这也是六轴机器人臂展长的根据。

四轴：四轴是控制上臂部分 180° 自由旋转的一轴，相当于人的小臂。

五轴：第五轴很重要，当你差不多调好位置后，你得定位到产品上，就要用到第五轴，相当于人手腕部分。

六轴：当您第五轴定位到产品上之后，需要一些微小的改动，就需要用到第六轴，第六轴相当于可以水平 360° 旋转的一个转盘。可以更\*\*定位到产品。

## Mechanical advantages of GS-R01 six axis robot

1. Has high degrees of freedom, 6-axis, suitable for almost any trajectory or angle of work.
2. Can freely program, complete fully automated work, improve production efficiency, and control error rates.
3. Functional characteristics, very easy to operate, and can achieve flexible and fast replacement between different workpieces.
4. It has high accessibility and can allow its hands to enter enclosed spaces for operations, while Cartesian robots cannot perform such operations.
5. Replace many complex tasks that are not suitable for human labor and harmful to physical health.
6. Operating radius range 12cm
7. Weight: 120-180cm (customizable)
8. Running trajectory accuracy: 0.02-0.05mm
9. Point accuracy: 0.02mm
10. Grab load: 1-20kgs

## Disadvantages of GS-R01 Six Axis Robot

1. The high price leads to high initial investment costs.

2. The extensive preparation work before production, such as programming and computer simulation processes, takes a long time.

3. The axis of the elbow joint and the Shoulder joint are parallel. When the big and small arms stretch into a straight line, the robot can reach a far working point, but the structural stiffness of the robot is relatively low

A common six axis joint robot has six built-in servo motors that directly drive the rotation of the six joint axes through reducers, synchronous pulleys, etc.

Six axis industrial robots generally have 6 degrees of freedom, including rotation (S-axis), lower arm (L-axis), upper arm (U-axis), wrist rotation (R-axis), wrist swing (B-axis), and wrist rotation (T-axis); Six joints are synthesized to achieve 6-degree of freedom movements at the end, which has many advantages such as high flexibility, super large load, and high positioning accuracy.

The six axis articulated robot can be used for automatic assembly, painting, transportation, welding, and post-processing work. It uses a linear axis to reposition and can make flexible movements like humans. The robot can execute the instructions of the operator.

### The Role of Six Axes

**One axis:** The first axis is the position where the chassis is connected, which is also the load-bearing and core position. It carries the weight of the entire robot and the large horizontal swing of the robot from left to right.

**Two axis:** An important axis for controlling the forward and backward swing and extension of the robot.

**Three axis:** The three axis is also the axis that controls the robot's forward and backward swing, but the swing amplitude is much smaller than the second axis, but this is also the basis for the arm extension of the six axis robot.

**Four Axis:** The four axis is an axis that controls the 180 ° free rotation of the upper arm, equivalent to a human forearm.

Five Axis: The fifth axis is very important. After you have almost adjusted the position, you need to accurately position it on the product, which is equivalent to the wrist part of a person.

Six Axis: After positioning the fifth axis on the product, if you need some minor changes, you need to use the sixth axis, which is equivalent to a rotary table that can rotate 360 ° horizontally. Can be more accurately positioned to the product.

## 东莞市高必盛压铸智能装备有限公司企业简介

东莞市高必盛压铸智能装备有限公司，与深圳市高盛自动化机械有限公司，属于兄弟工厂的关系。创建于2010年，位于粤港澳大湾区前沿阵地深圳，工厂位于世界制造名城-广东东莞的大岭山镇，是一家集研发设计、制造、销售、服务为一体的压铸自动化设备的制造商和供应商。

高必盛工厂自动化机械产品阵容：压铸机周边智能化自动化机器人、上下料机械手、协作机器人、协作机械手、锌合金、铝合金压铸产品自动取件机械手、压铸水口分离机、超声波震水口机、切水口机、小披锋冲床、压铸回炉线、输送带、模具监视器、及其他智能化机器设备，真正做到压铸产品下料取件-坏件输送-压铸水口分离-成品收齐装箱-渣包运输回炉-一条龙循环生产机械设备。

东莞市高必盛压铸智能装备有限公司，为五金压铸工厂及压铸机提供配套的自动化单元，可代替人工、解决当前工厂人工成本高企难题。实现压铸车间的全自动化生产。“高必盛”智能装备以其“高效、稳定、耐用”的特性，深受广大客商信赖，特别是多款多样的高速喷雾自动取件机，全自动水口分离机和压铸件的后续披锋、合模线自动处理新技术自动化机械设备很受客户欢迎，成为国内外五金压铸行业品牌之一。

高必盛工厂拥有超过10人的研发团队，和超过100人的压铸自动化设备技术人才，为产品的高度智能化、精密的自动化设备制造，奠定了坚实的基础，为压铸行业之智能化装备全面走向世界，开启了工业自动化生产和制造业智能领域的时代先河。

高必盛公司拥有五大生产车间，数台精密生产设备，及检测设备，三条装配生产线。高必盛规模化生产，以人为本，凝聚了涵盖机电一体化、自动化控制、系统软件开发等技术精英团队。

多年来，高盛自动化通过自身团队的不懈努力，以“质量铸就品牌，诚信赢得市场，科技创新，持续改善

"为宗旨，并坚持"客户效益大化"的服务理念！赢得了越来越多的新老客户及用户的认可和青睐，成为国内外一大批压铸企业的核心配套供货商。

高必盛全体同仁竭诚期待与广大新老客户携手并进，满足客户所需！合作共赢！

Dongguan Gaobisheng Die Casting Intelligent Equipment Co., Ltd. and Shenzhen Goldsun Automation Machinery Co., Ltd. belong to a sister factory relationship. Established in 2010, located in the forefront of the Guangdong Hong Kong Macao Greater Bay Area in Shenzhen, the factory is located in the world-renowned manufacturing city of Dalingshan Town in Dongguan, Guangdong. It is a manufacturer and supplier of die-casting automation professional equipment that integrates research and development, design, manufacturing, sales, and service.

Dongguan Gaobisheng Die-casting Intelligent Equipment Co., Ltd. provides supporting automation units for hardware die-casting factories and die-casting machines, which can replace labor and solve the current problem of high labor costs in factories. Realize fully automated production in the die-casting workshop. "Goldman Sachs" intelligent equipment, with its "efficient, stable and durable" characteristics, is deeply trusted by customers, especially a variety of high-speed spray automatic pick ups, automatic nozzle separators and die castings, and automatic machinery equipment with new technology for automatic processing of mold closing line, are very popular with customers, and become one of the preferred brands in the hardware die casting industry at home and abroad.

Gaobisheng factory automation machinery product lineup: intelligent automation robots around die-casting machines, loading and unloading manipulators, collaboration robots, collaboration manipulators, automatic take-up manipulators for zinc alloy and aluminum alloy die-casting products, die-casting nozzle separators, ultrasonic nozzle shaking machines, nozzle cutting machines, small flaring punch machines, die-casting return lines, conveyor belts, mold monitors, and other intelligent machines and equipment, Truly achieve a one-stop cycle of production machinery and equipment for die-casting products, including cutting and picking up parts, conveying billets, separating die-casting nozzles, collecting and packing finished products, transporting slag packages back to the furnace, and so on.

The Gaobisheng factory has a research and development team of over 10 people, as well as over 100 professional equipment and technical talents in die-casting automation. This has laid a solid foundation for the highly intelligent and precise manufacturing of automation equipment in the die-casting industry, and has opened up a new era in the field of industrial automation production and manufacturing intelligence.

Gaobisheng Company has five major production workshops, several precision production equipment, and testing equipment, as well as three assembly production lines. Gaobisheng's large-scale production, people-oriented, has gathered a professional team of technical elites covering electromechanical integration, automation control, system software development, and other fields.

For many years, through the unremitting efforts of its own team, Goldman Sachs Automation has adhered to the principle of "quality builds brand, integrity wins market, technological innovation, and continuous improvement", and adheres to the service concept of "maximizing customer benefits". It has won the recognition and favor of more and more new and old customers and users, and has become a core supporting supplier for a large number of well-known die-casting enterprises at home and abroad.

All colleagues at Gaobisheng sincerely look forward to working hand in hand with our new and old customers to meet their needs! Win win cooperation!

东莞市高必盛压铸智能装备有限公司目录分享、自动化机械设备

东莞市高必盛压铸智能装备有限公司国内外合作客户

东莞市高必盛压铸智能装备有限公司定制流程参考

疑问解答与售后

1、工厂的自动化设备质保呢？

高必盛工厂承诺整机质保2年，零配件终身更换。

2、设备安装调试售后全免费？

高必盛工厂对客户所有的订购机械设备产品，实施免费上门安装、与调试服务及后续的售后服务。

3、批量订购，有何奖励措施？

高必盛工厂承诺：凡是代理商、批发零售商、及网购客户或直接压铸机工厂车间客户所有的订单，采取一步到位的价格供应政策，并实施年累计订购的金额，进行不同阶梯的返利政策。