

AUTOMATION WITH BORUNTE MAKE ROBOTS AN INTEGRATED ENGINEERING APPROACH



PRABHA
ENTERPRISES
AHMEDABAD



COMPANY PROFILE

- Prabha enterprise is Pan India distributor for Borunte make Industrial robots.
- Prabha Enterprises have presence in Industrial robot used IMM (Plastic Injection Molding Machine) robot, Stamping robot, Die casting robot, Painting robot, Welding robot, Pick & Place Robot.
- We are focusing primarily MSME's, providing affordable solutions with quality and consistency.
- We have sales and After sales person in Ahmedabad, Rajkot, Delhi, Mumbai, Bangalore, Hyderabad, Coimbatore, Kolkata, Pune.
- As a robotic systems integrator, We are able to:
 1. Identify the correct robot, tooling, work cell for your application needs
 2. Provide helpful cost-saving tips
 3. Provide training on programming your robot system and work cell
 4. Help incorporate the system into your factory setting

COMPANY PROFILE OF BORUNTE ROBOTS

- Guangdong Bo Langte intelligent equipment CO.,Ltd. was founded in 2008. The registered capital is 45million RMB. Currently has about 400 employees. Bo Langte is also robot backbone enterprises of R&D, production, sales, service of industrial robots, level robot, IMM robot, stamping robot, die casting robot, intelligent equipment system in Guangdong Province.
- Guangdong Bo Langte Intelligent Equipment Co.,Ltd. became the first listed company after the NEEQ national expansion on January 24, 2014. Bo Langte is also the first listed company that completes the share register since the NEEQ national expansion in China Securities Depository and Clearing Co., Ltd. At the same time, we are the first listed company in linear industry.

SILENT FEATURES OF BORUNTE

- GUANGDONG BO LANGTE INTELIGENT EQUIPMENT CO.LTD WAS FOUNDED IN 2008
- FASTEST GROWING ROBOTIC COMPANY IN CHINA
- MORE THAN 400 EMPLOYEES
- GUANGDONG BO LANGTE INTELIGENT EQUIPMENT CO.LTD BECOME FIRST LISTED COMPANY AFTER NEEQ (NATIONAL EQUITIES EXCHANGE And QUATATIONS Co., Ltd.) IN 2014
- SOLD MORE THAN 20,000 ROBOTS WORLDWIDE IN LAST FINANCIAL YEAR
- EXPORTING TO INDIA, US, CANADA, MEXICO, FRANCE, BULGARIA, HUNGARY, RUSSIA, VIETNAM, PHILIPINES, THAILAND, AUSTRALIA, BR AZIL, ARGENTINA
- ALL SERVO MOTORS ARE USED FROM INOVANCE BEST OF ITS CLASS
- VERY HIGH REAPETABILTY UPTO 0.02 MICRONS
- MANY CRUCIAL ELECTRONIC PARTS ARE USED FROM JAPANESE COMPANIES

ESTEEM CUSTOMER LIST OF BORUNTE



BORUNTE ROBOTS BEEN USED WORLD WIDE

- Automotive,
- Atomic energy
- Metals
- Textiles
- Manufacturing
- Construction
- Education

BORUTE ROBOT APPLICATIONS

- PAINTING
- WELDING
- PICK & PLACE
- DIE CASTING
- MACHINING
- ASSEMBLY
- FOUNDARY
- INJECTION MOLDING

SIX ROBOT 5/10/20/50 KGS

BRTIRUS Series

六自由度工业机器人
Six Axis Industrial Robot

产品特点 Product Features

BRTIRUS3050A是广东伯朗特智能装备股份有限公司针对多自由度的复杂应用而开发的六轴机器人，其最大负载可达50kg的六轴机器人，拥有3000mm超长臂展。六个自由度的灵活性对上下料、装配、压铸，码垛等场景能够随心所欲。

防护等级高——IP 54，防尘防水

精度高——重复定位精度 ± 0.1 mm

BRTIRUS3050A type robot developed for complex applications. The maximum load is 50KG, the maximum arm length is 3000mm. Suitable for painting, welding, molding, stamping, forging, handling, loading, assembling, etc. The protection grade reaches IP54. The repeatability is ± 0.1 mm.



DIE CASTING ROBOTS

BRTYZQJ Series

单轴伺服取件机
One Axis Servo Extractor

产品特点 Product Features

- 伺服马达驱动，配备谐波减速机，高速运行时依然能够保持定位准确，具备待机功能。
- 可以单动，亦可与压铸机，锁模机，给汤机连成全自动生产线。
- 整体外形设计小巧，采用侧挂式，便于设备的清扫与保养。
- 手臂可前伸进机横行待机位置，减少夹取时间，提高生产率。
- 可根据客户要求调节取出臂上升下降功能。
- 多种取出选择模式，更能适应多样模具，达到自动化生产。
- 所有时间参数及位置设定均可通过触摸式显示屏进行设定，具有操作提示及故障诊断功能，可对取件各动作状态进行监控。
- AC Servo motor driver and Harmonic reducer, maintain accurate positioning in high-speed operation.
- Side entry type, convenience for cleaning and maintaining.
- The take-out arm can standby at the gate of security operation side of die casting machine which greatly shortens the pick-up time and increase productivity.
- Self-diagnostic and monitor function, which make operation and maintenance extremely simple.



BRTYZGT Series

两轴伺服给汤机
Two Axis Servo Rod Ladler

产品特点 Product Features

- 采用全新的控制方式系统，搭配轻巧移动式手持式控制器，便于检修及使用。
- 手持式示教器画面清晰，参数及功能的设定一目了然，并配有异常报警自诊断功能，使后期操作及维护都极为简便快捷。
- 多元化的功能选项及多方位的操作方式提高该机型的性能及通用性能。
- 整体结构采用伺服马达加蜗轮一体箱驱动，采用连杆式手臂，运行平稳精准高效。即使高速运动也能平稳刹车，铝液不溢出。
- Using new control system with light mobile hand-held controller, easy for maintenance.
- Self-diagnostic function, which make operation and maintenance extremely simple.
- A wide range of functional options and multi-directional operation mode to improve the performance and general performance.
- Worm gear, connecting rod drive, make it working more smoothly and stably. Automatic control the accurate feeding volume by panel.



DIE CASTING SPRAYER & 6 AXIS MANUPALTOR

BRTYZQP Series

四轴伺服取件喷雾机
Four Axis Servo Extractor and Sprayer Robot

产品特点 Product Features

- 本公司的全新四轴设计，可以完成多自由度的取件，镶件，喷雾的任务，专门针对压铸恶劣环境设计。
- 取件夹爪，取件夹爪由两个伺服马达控制不受空间条件限制，可以自由的控制角度360度，可以取出和镶进不同的产品，标配机型可选用多个不同尺寸产品的抓取。
- 喷雾由独立的喷嘴控制，可以实现多段，定点，前后独立喷雾。
- 全伺服动作控制，承载能力强，高速运转，适合中大型压铸机使用，标准规格的机械手移动速度最快可达每秒2.5米。位置公差为正负0.05毫米大型机器人移动速度最快可达1.5米，位置公差为±0.15毫米，从而把时间降到最少，产量增加。

- The new design of our company four-axis robot can perform multiple degrees of freedom, inserts, spray task, specially designed for the die casting in harsh environments.
- Pickup gripper is controlled by two servo motors without being limited by the space. It can freely control the angle of 360 degrees, and can be removed and inserted into different products, the standard model can be used to grab a number of different size products.
- Spraying controlled by the independent nozzles, it can achieve multi-segment, fix point, before and after independence spray.
- Full servo motor control minimizes the time and increases productivity which has good load capacity, high-speed operation, suitable for the high tonnage die-casting machine. The standard robot moves the fastest speed up to 2.5 M/S. Position tolerance is ± 0.05 mm. Large-scale type robot moves the fastest speed up to 1.5 M/S. The position tolerance is ± 0.15 mm.



压铸六轴机械手
Six-Axis Die-Casting Robot

产品特点 Product Features

1. 本公司的全新六轴设计，可以完成多自由度的取件，镶件，喷雾的任务，专门针对压铸恶劣环境设计。
 2. 取件夹爪，取件夹爪由两个伺服马达控制不受空间条件限制，可以自由的控制角度360度，可以取出和镶进不同的产品，标配机型可选用多个不同尺寸产品的抓取。
 3. 喷雾由独立的喷嘴控制，可以实现多段，定点，前后独立喷雾。
 4. 全伺服动作控制，承载能力强，高速运转，适合中大型压铸机使用，标准规格的机械手移动速度最快可达每秒2.5米。位置公差为正负0.05毫米大型机器人移动速度最快可达1.5米，位置公差为±0.15毫米，从而把时间降到最少，产量增加。
1. The new design of our company six-axis robot can perform multiple degrees of freedom, inserts, spray task, specially designed for the die casting in harsh environments.
 2. Pickup gripper is controlled by two servo motors without being limited by the space, it can freely control the angle of 360 degrees, and can be removed and inserted into different products, the standard model can be used to grab a number of different size products.
 3. Spraying controlled by the independent nozzles, it can achieve multi-segment, fix point, before and after independence spray.
 4. Full servo motor control minimizes the time and increases productivity which has good load capacity, high-speed operation, suitable for the high tonnage die-casting machine. The standard robot moves the fastest speed up to 2.5 M/S. Position tolerance is ± 0.05 mm. Large-scale type robot moves the fastest speed up to 1.5 M/S. The position tolerance is ± 0.15 mm.

SCARA ROBOTS



水平机器人
SCARA

产品特点 Product Features

水平机器人由于其结构轻便、响应快速、运动精确度高、具有高刚性、高精度、高速度、安装空间小、工作空间大的优点，被广泛应用于塑料工业、汽车工业、电子产品工业、家用电器、药品工业、精密机械和食品工业等领域。随着社会需求的增大和技术的进步，装配机器人产业化的需求日益强烈。目前国内SCARA机器人产业还处于起步阶段。我司SCARA机器人力求推进公司内的技术集成，将机电一体化技术、智能运动控制技术和传感技术相结合，凭借其轻量化的结构设计、工业造型设计完美结合，从工装夹具的传感设计、到视觉软件和编程环境，都立足于成熟的行业应用技术平台。并将应用的灵活性贯穿，综合性能已进入行业先进水平，保证产品在技术上的竞争力，为推向市场赢得客户信赖奠定坚实的基础。

Because of its lightweight structure, rapid response and high kinematic accuracy, and with the advantage of high rigidity, high precision, high speed, small installation space and large work space, SCARA robot is widely applied to industrial areas, such as plastics, auto, electronic products, household appliances, drug, precision machinery and food, etc. With the increasing social demand and progress of technique, industrialization of assembled robot is strong increasingly. The domestic SCARA robot industry is still in a fledging period at the moment. Our SCARA robots strive to promote technology integration with the company, to combine the mechatronics technology and intelligent motion control technology with sensor technology. With perfect combination of lightweight structural design and industrial modeling design, from the sensor design of tools and fixture to vision software and programming environment, our SCARA robots are all based on mature industry application technology platform, and run through the flexibility of application. Our company's robots' combination property has reached industry advanced level, so that we are able to ensure the competitiveness of products in the technology, and lay a stable foundation of products to the market and win customers' trust.

INJECTION MOLDING ROBOTS

BRTR Series

五轴横走式机械手
Five-axis AC Servo
Traversing Robot-Single Stage

产品特点 Product Features

BRTR系列机械手臂适用100T-250T的各型卧式射出成型机，手臂形式是单截式，分3轴及5轴AC伺服驱动。取出时间1sec，全循环6sec应用于快速取出或是模内贴、模内镶件等特殊产品应用。

华成三/五轴专用CANOPEN总线通讯方式：

信号线少，远距离通讯，扩展性能好，抗干扰能力强，重复定位精度高，可以同时控制多轴，设备维护简单，故障率少。

BRTR Series is applicable to all types of horizontal injection machine ranges of 100T~250T for take-out products and sprues. Vertical arm is single stage. With types of three-axis and five-axis driven by AC servo motor. Products take-out at super high-speed (1sec.) and dry cycle time within 6seconds. applicable to take-out products with short forming cycle or complex automatic. Also with the function of mold labeling and mold inserting.

HC three-axis/five axis CANOPEN connecting way:

Less connecting line, long distance communication, good expansibility, strong anti-interference ability, high repeat precision, can simultaneously control multi axis, simple equipment maintenance, low failure rate.



STAMPING ROBOTS



BRSR-3040-S5
五轴冲压机械手

产品特点 Product Features

- 1.运动轴数为5轴（在4轴基础上增加翻转功能），采用全伺服控制，全行程范围内可调；
- 2.控制系统采用专用运动控制系统，运行平稳，传送精度高；
- 3.人机界面友好，人性化设计，采用手持式操作终端，集设定与操作于一体；
- 4.采用高精度直线导轨，适合在恶劣的环境下长期运行，具有较高的防护等级；
- 5.可由多台主体（4轴或者5轴冲压机械手）连接多台冲床组成冲压连线，效率高、同步精度高、安全性高；
- 6.大幅调高生产效率，提高产品合格率及尺寸统一性；
- 7.有故障警报说明，维护简单明了易懂。

1. Five-axis AC servo driving, all the traverse-stroke can be adjustable.
2. With special robot control system, stable function and high precision movement.
3. Palm controller with dialogue type operation interface, easy for learn.
4. Adopt of the high precision linear guide rail, with high protection degree, can be work in rough condition.
5. Can be work in group to cooperate with the stamping machinery to make the stamping robot system. With high efficiency, synchronization accuracy and great safety protection.
6. Reduce the manpower and accurately control the output to reduce the waste.
7. With fault warning instructions, simple maintenance and easy to understand.



THANKS

PRABHA ENTERPRISES
B 304 SIGNATURE -2
SARKHEJ SANNAD ROAD
AHMEDABAD

SALES1@PRABHAENTERPRISES.COM

9898532151/9825577771