Agilebot | 捷勃特

捷勃特机器人培训手册

Agilebot Robot Training Manual

版本号：2024

欢迎来到捷勃特机器人培训中心

Welcome to Agilebot Robot Training Center

上海捷勃特机器人有限公司是一家工业机器人研发及制造商。我们以驱动未来工厂为愿景，以制造杰出的工业机器人为使命，致力于运动控制技术、电机控制技术、智能算法技术在产品上的融合突破，聚焦专业领域的深耕落地，逐步实现技术平台和终端产品的多元化、专业化，以多种方式实现客户价值。

Shanghai Agilebot Robotics Co., Ltd. is an industrial robot research and development and manufacturer. With the vision of driving the factory of the future and the mission of manufacturing outstanding industrial robots, we are committed to the breakthroughs in the integration of motion control technology, motor control technology and intelligent algorithm technology in our products, focusing on the deep plowing and landing in the professional fields, gradually realizing the diversification and specialization of the technology platform and end products, and realizing the value of our customers in various ways.

捷勃特建有先进完善的机器人制造、测试、追溯体系，通过持续的工艺革新和管理升级为产品品质保驾护航。除了研发生产多品类的机器人和各种功能软件外，还为客户提供培训维护、技术支持、方案咨询等服务。

Agilebot has an advanced and perfect robot manufacturing, testing and tracing system, and protects the quality of products through continuous process innovation and management upgrading. In addition to the development and production of a wide range of robots and a variety of functional software, we also provide customers with training and maintenance, technical support, program consulting and other services.

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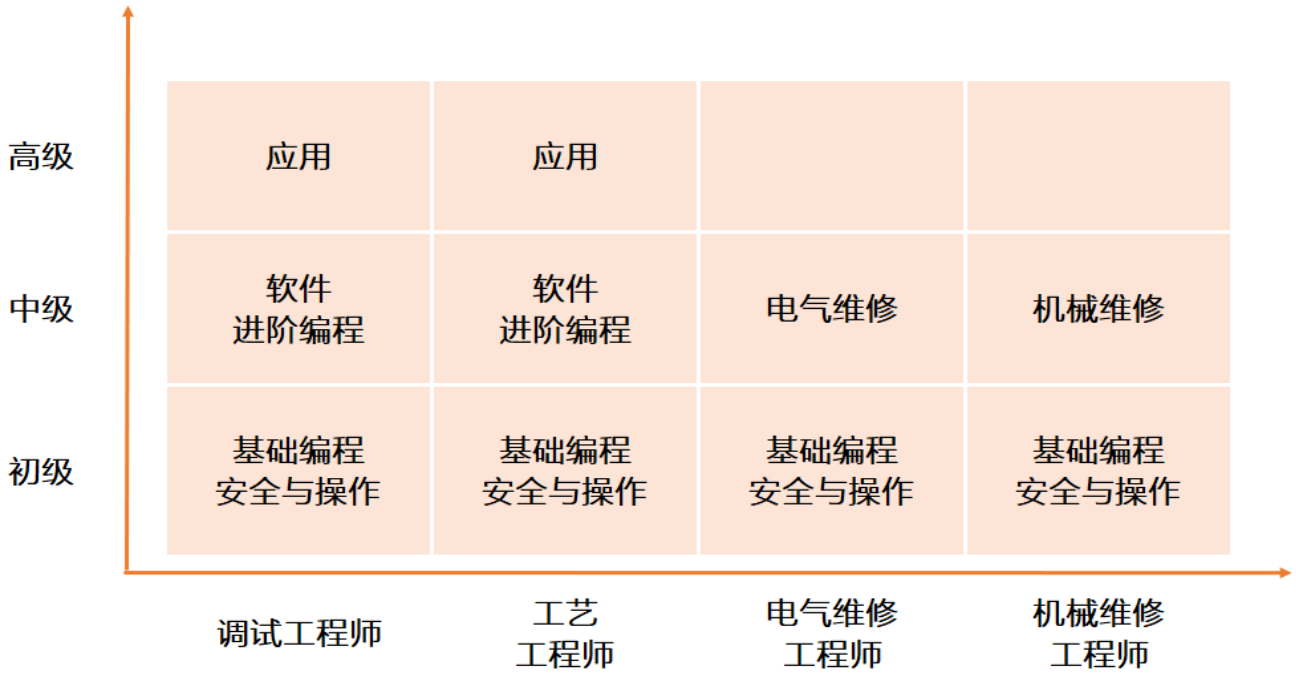
机器人培训

企业用户课程选择

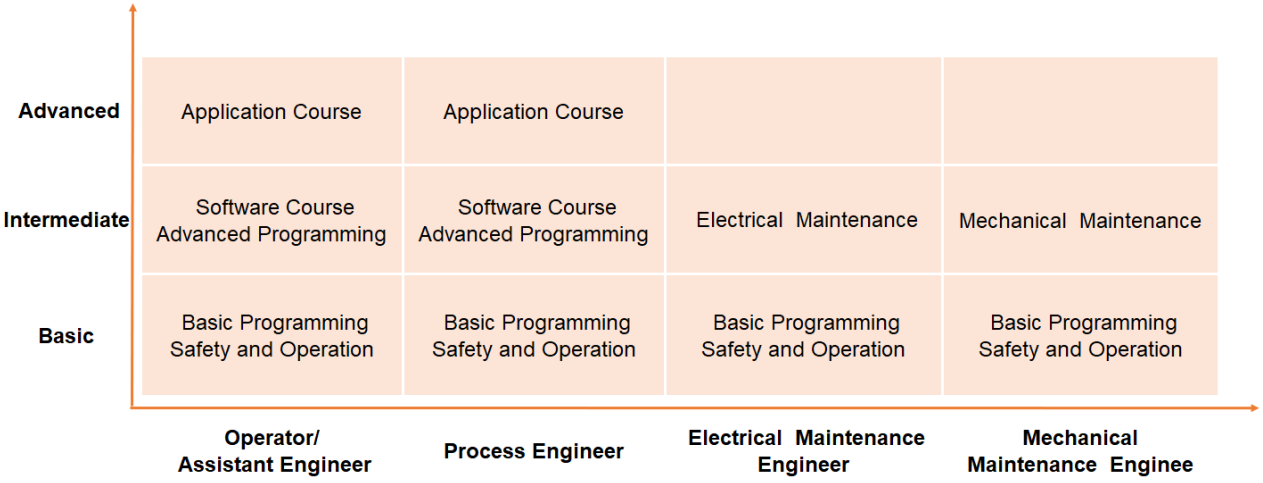
欢迎来到捷勃特机器人培训中心！我们致力于提供高质量的机器人技术教育和培训，以满足不同学员的需求和兴趣。以下是我们为您精心设计的成长路线图，帮助您了解我们的课程内容和结构，以便您能更好地选择适合自己的课程。



Robotics Training

Course Selection For Enterprise Users

Welcome to Agilebot Robot Training Center! We are committed to providing high-quality robotics education and training that meets the needs and interests of a wide range of learners. Below is our carefully designed growth roadmap to help you understand the content and structure of our courses so that you can better choose the right course for you.



机器人培训 Robotics Training

课程分类 Category

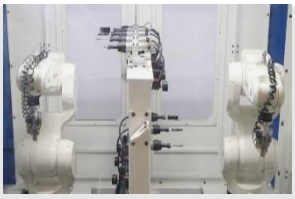
- 操作
  Operation

- 机械维修
  Mechanical Maintenance

- 编程
  Programming

- 软件
  Software

- 电气维修
  Electrical Maintenance



- 应用
  Application

机器人操作类课程

Robot Operation Course

- GBT - SO 01 安全与操作
- GBT - SO 01 Safety and Operation

GBT - SO 01 安全与操作

GBT - SO 01 Safety and Operation

适用机型

- 工业机器人的所有机型
- 协作机器人的所有机型

Applicable models

- All models of industrial robots
- All models of collaborative robots

课程对象

- 操作工
- 调试工程师
- 电气/机械维修工程师
- 工艺工程师

Target Groups

- Operator
- Mechanical Maintenance Engineer
- Electrical Maintenance Engineer
- Process Engineer

知识要求

- 无

Prerequistites

- None

培训内容

- 机器人安全操作规范
- 机器人系统构成及工作原理
- 不同坐标系下手动操作机器人
- 奇异点原理及规避
- 基本运动指令
- 修改示教点位
- 自动模式运行程序
- 备份还原系统
- 机器人零位校准

Contents

- Robot Safety Code of Conduct
- Robot System Composition and Working Principle
- Manual operation of robots in different coordinate systems
- Singularity principle and avoidance
- Basic motion commands
- Modification of teaching points
- Automatic mode running program
- Backup and restore system
- Robot Zero Calibration

课程信息

- 学员人数：4-8 人/班
- 培训天数：
  - 工业机器人系列 2 天
  - 协作机器人系列 2 天
  - 工业机器人及协作机器人系列 3 天

Information

- Number of Participants:4-8persons
- Duration:
  - Industrial Robots 2 days
  - Collaborative Robots 2 days
  - Industrial Robots And Collaborative Robots 3 days

机器人编程类课程

Robotics Programming Class

- GBT - BP 01 基础编程
- GBT - BP 01 Basic Programming

- GBT - AP 01 高级编程
- GBT - AP 01 Advanced Programming

GBT - BP 01 基础编程

GBT - BP 01 Basic Programming

适用机型

- 工业机器人的所有机型
- 协作机器人的所有机型

Applicable models

- All models of industrial robots
- All models of collaborative robots

课程对象

- 调试工程师
- 机械/电气维修工程师
- 工艺工程师

Target Groups

- Mechanical Maintenance Engineer
- Electrical Maintenance Engineer
- Process Engineer

知识要求

- 基本英语阅读能力

Prerequistites

- Basic English Skill

培训内容

- 机器人系统介绍
- 机器人坐标系
- I/O 信号介绍及配置
- 程序创建及编程
- 基本指令
- 机器人系统基础配置
- 程序启动方式

Contents

- Introduction to Robot Systems
- Robot Coordinate System
- Introduction to I/O signals and configuration
- Program Creation and Programming
- Basic Commands
- Basic robot system configuration
- Program Startup Methods

课程信息

- 学员人数：4-8 人/班
- 培训天数：
  - 工业机器人系列 3 天
  - 协作机器人系列 3 天
  - 工业机器人及协作机器人系列 4 天

Information

- Number of Participants:4-8persons
- Duration:
  - Industrial Robots 3 days
  - Collaborative Robots 3 days
  - Industrial Robots And Collaborative Robots 4 days

GBT - AP 01 高级编程

GBT - AP 01 Advanced Programming

适用机型

- 工业机器人的所有机型
- 协作机器人的所有机型

课程对象

- 工艺工程师
- 电气维修工程师

知识要求

- 基础编程培训（工业）
- 基本英语阅读能力

培训内容

- 总线设置（Modbus TCP）
- TCP/IP 通讯（socket）
- 空间防干涉
- 参考点
- 程序起始点
- 系统变量
- 高级指令
- 坐标系变换
- 程序偏移

课程信息

- 学员人数：4-8 人/班
- 培训天数：
  - 工业机器人系列 3 天
  - 协作机器人系列 3 天
  - 工业机器人及协作机器人系列 4 天

Applicable models

- All models of industrial robots
- All models of collaborative robots

Target Groups

- Process Engineer
- Electrical Maintenance Engineer

Prerequistites

- Basic Programming（Industry）
- Basic English Skill

Contents

- Modbus TCP
- Socket
- Space anti-interference
- Reference points
- Program home pose
- System variable
- Advanced Commands
- Coordinate system transformation
- Program offset

Information

- Number of Participants:4-8persons
- Duration:
  - Industrial Robots 3 days
  - Collaborative Robots 3 days
  - Industrial Robots And Collaborative Robots 4 day

交通

Transportation

上海捷勃特机器人培训中心位于捷勃特制造及技术服务中心，具体地址为上海市青浦区久业路 338 号 1 幢。

服务热线:400-996-7588

- 培训中心距离虹桥国际机场和虹桥火车站约 20 公里左右。
- 培训中心距离上海火车站和上海长途汽车总站约 34 公里左右。
- 培训中心距离浦东机场约 67 公里。

Shanghai Jabot Robotics Training Centre is located in Jabot Manufacturing and Technical Service Centre, specifically in Building 1, No. 338 Jiouye Road, Qingpu District, Shanghai.

Service Hotline:400-996-7588

- The distance between Training Center and Hongqiao international aGBT - port or Hongqiao railway station is about 20KM.
- The distance between Training Center and Shanghai railway station or Shanghai long distance bus station is about 34KM.
- The distance between i Training Center and PuDong aGBT - post is about 67KM.

住宿

Accommodation

距离上海捷勃特培训中心较近的宾馆信息如下
（仅供参考，详情请直接联系宾馆的预订电话）

Several recommended hotels near GBT Robotics Shanghai Training Center below
(For reference only, please contact the hotel's reservation number dGBT - ectly for details)

海友酒店(上海盈港路店)
地址：上海市青浦区盈港路 572 号
电话：021-59855799

Haiyou Hotel (Shanghai Yinggang Road)
Address：No.572 Yinggang Road, Qingpu District, Shanghai, China.
Tel：021-59855799

汉庭酒店(上海青浦漕盈路地铁站店)
地址：上海市青浦区盈港路 1750 弄 1 号
电话： 021-57792888

Hanting Hotel (Shanghai Qingpu Cao Ying Road Metro Station)
Address：No.1, Lane 1750, Yinggang Road, Qingpu District, Shanghai, China
Tel: 021-57792888

上海卓越诺富特酒店
地址：上海市青浦区清河湾路 1121 弄 2 号
电话：021-31088886

Novotel Shanghai Premier
Address: No.2, Lane 1121, Qinghewan Road, Qingpu District, Shanghai, China
Tel: 021-31088886

上海卓越铂尔曼大酒店
地址：上海市青浦区竹盈路 340 弄 1 号
电话：021- 31088888

Pullman Shanghai Premier Hotel
Address: No.1, Lane 340, Zhuying Road, Qingpu District, Shanghai, China
Tel: 021- 31088888

制造杰出的工业机器人

MAKE THE INDUSTRIAL ROBOTS OF EXCELLENCE

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