FANUC Robot M-420*i*A/421*i*A



特点

- 这是一款为物流系统的机器人化做出贡献的物流智能机器人。
- 可根据系统布局,选择最佳的轴配置类型。 FANUC Robot M-420*i*A:4轴型 FANUC Robot M-421*i*A:2轴型
- 具有最大3,000次/小时的搬运能力。通过活用最大50kg的可搬运能力, 一次取出多个产品,从而提高搬运作业效率。
- M-420iA/M-421iA是由搭载了多种智能化功能的最新式的高性能控制器R-J3iC控制的。

FEATURES

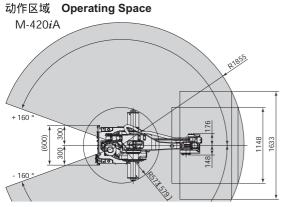
- M-420*i*A and M-421*i*A are the intelligent packing robots which contribute for robotalization of packing system.
- Two types of axis configuration are available. FANUC Robot M-420*i*A: 4 axis type FANUC Robot M-421*i*A: 2 axis type
- M-420*i*A and M-421*i*A can handle up to 3000 cycles per hour. Payload capacity of max. 50 kg enables to handle multiple works at once. Throughput capacity is much improved.
- M-420*i*A and M-421*i*A are controlled by R-J3*i*C that is newest, high performance and having various intelligent functions.

应用系统 Example of an application system

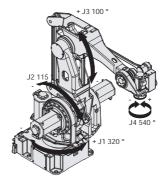


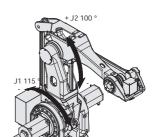
将瓶子装人瓶箱的装箱系统 Packing system of bottles into cases

FANUC Robot M-420*i*A/421*i*A

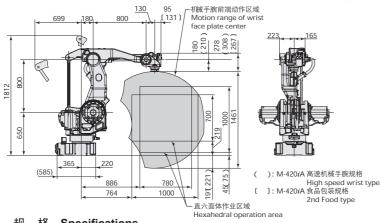


机器人的运动 **Robot Motion** M-420*i*A





M-421*i*A



M-421*i*A 机械手腕前端动作区域 Motion range of wrist 699 95 face plate center 204 552 800 1000 1461 230 (520) 780 长方体作业区域 764 1000 Rectangular operation area 1855

规 格 **Specifications**

| 项 目 Item | | 规格 Specifications | | |
|---------------------------------|---------|----------------------------------------------------------------------------------|---------------------------|-----------------------------|
| | | M-420 <i>i</i> A | M-420 <i>i</i> A 高速机械手腕规格 | M-421 <i>i</i> A |
| | | | High speed wrist type | |
| 动作形态 Type | | 多关节型机器人 Articulated type | | |
| 控制轴 Controlled axes | | 4 轴 4 axes (J1,J2,J3,J4) | | 2轴 2 axes (J1,J2) |
| 设置条件 Installation | | 地面设置 Floor mount | | |
| 机械手腕部可搬运重量 | | 40kg | 30kg | 50kg |
| Maximum load capacity at wrist | | | | |
| 有效范围 Reach | | 1855mm | | |
| 最大动作速度 Maximum speed | J1 | 3.14rad/sec (180 deg/sec) —— | | |
| | J2 (J1) | 3.49rad/sec (200 deg/sec) | | |
| | J3 (J2) | 3.49rad/sec (200 deg/sec) | | |
| | J4 | 6.11rad/sec (350 deg/sec) | 12.6rad/sec (720 deg/sec) | |
| 机械手腕允许负载惯量 | | 2 Ekam² | | |
| Allowable load inertia at wrist | | 2.5kgm² | | |
| 位置反复精度 Repeatability | | ± 0.5mm | | |
| 机构部重量 Mass of mechanical unit | | 620kg | 630kg | 520kg |
| 设置条件 Installation environment | | 环境温度:0~45度 | Ambient tempe | |
| | | 环境湿度 Ambient humidity | | |
| | | 通常:在75%RH或以下 ; | | RH or less Note 1) |
| | | 短期 (1个月之内):在95%RH或以下 Short term (within 1 r 振动值:0.5G或以下 Vibration:0.5G or les | | nin 1 month): 95%RH or less |
| ・ アウナ は東田名 | | 歌の A 400 A 不名方会 日 与 共和権 | | |

注释1) 不应有结露现象。

释2) M-420iA 还备有食品包装规格。

Note 1) No dew, nor frost is allowed. Note 2) 2nd Food type is available for M-420iA

FANUC

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