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2018

YANGSEN
High speed
Take out robot

YANGSEN[®] ROBOT
FOR THE INDUSTRY AUTOMATION

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高速取出机械手
High speed Take out robot



工业自动化智能匠师

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匠心设计

Artisan's design & application

超 高速、高稳定性
Super high speed, high stability
高精度性、长寿命
high precision long life



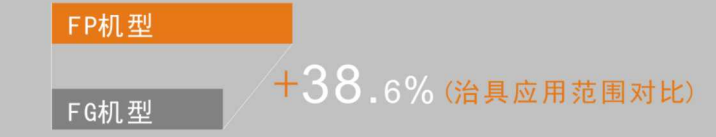
低噪音 Low noise
精度定位 precision positioning
故障报警 fault alarm
超高速 super high speed
超平稳 super smooth



FP 系列
series

FP900G-WS3
FP1100G-WS3

- 重心后置使用力臂更短，耐用性更高，且增加治具的应用空间范围
The key rear position uses the shorter force arm, ensure higher durability, and increases the application space scope of the fixture.
- FP机型布局与FG机型治具应用范围对比
FG & FP fixture's application compare



- 全开放式布局及模块设计便于维护,正反向安装更加方便,治具采用挂式组装,更具人性化。

All-open layout and module design is easy to maintain; forward-backward installation, more convenient; the use of pendant assembly is more humanized.



适用行业: 注塑薄壁成型包装行业

Applications Injection Moulding and Thin-wall forming Packaging Industry



餐盒 Food Box
刀、叉、勺 knife, fork, spoon
奶茶杯 tea cup
化妆品 cosmetics
医药 medicine
食品 food.

FK 系列 series

FK1200G-WD3

适用于：双面模
Apply to:
Double-sided mould



FG 系列 series

FG900G-WS2
FG1100G-WS2

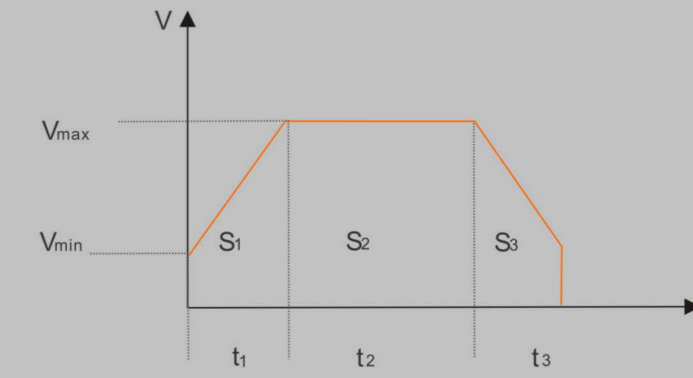


业内唯一通过欧盟CE安全认证
Only EU CE safety certification in the industry
业内唯一通过国际质量标准 ISO9001-2015
The only passes the international quality standard ISO9001-2015 in the industry



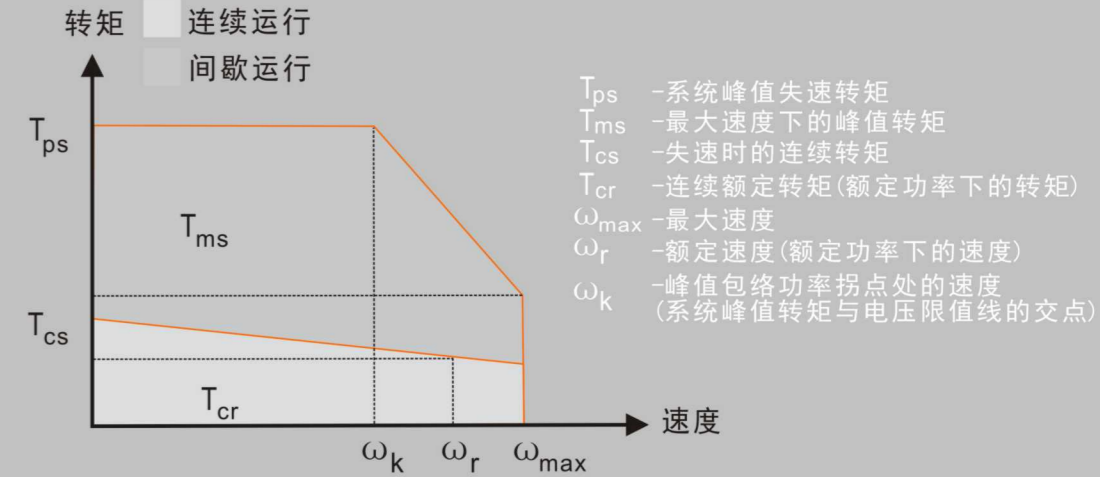
控制系统

Control System



S1--加速脉冲数 S2--均速脉冲数 S3--减速脉冲数
T1--加速时间 T2--均速时间 T3--减速时间

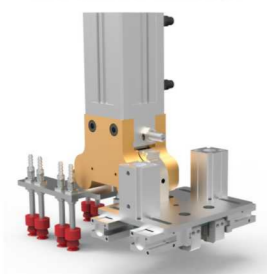
- 安装方式：正/反
Gate Type crosswise Frame
- 简易数控
Easy NC
- 驱动轴数：2/3
The Numbur of servo axes
- 模内取出时间：0.5-0.8S
In-mold extraction time
- 机电一体型
Composite Type
- 治具
Fixture
- 单/双臂
Single/Double ARM
- 钢框架
Steel frame



Tps -系统峰值失速转矩
Tms -最大速度下的峰值转矩
Tcs -失速时的连续转矩
Tcr -连续额定转矩(额定功率下的转矩)
ωmax -最大速度
ωr -额定速度(额定功率下的速度)
ωk -峰值包络功率拐点处的速度(系统峰值转矩与电压限值线的交点)

转角机构

采用齿条传动，增加平稳性
using rack drive to increase the smoothness.



双截倍速手臂结构

Two stage double-speed arm structure
配合精密线性滑轨及皮带传动，实现高速高精度平稳运动。
with precision linear sliding rail and belt drive to achieve high-speed and high-precision smooth motion.



碳纤维结构（选配）
Carbon fiber structure (optional)

伺服驱动系统

手臂与横行采用高感应AC伺服马达传动，响应及取出速度快
high induction AC servo motor drive for arm and crosswise, quick response and take-out speed.



润滑系统

Lubrication system
可选用手动润滑系统或自动润滑系统减少导轨和滑块之间磨损，提高使用寿命
manual lubrication system or automatic lubrication system can be used to reduce wear between guide rail and slider and improve service life.



手动润滑系统
Manual lubrication system
自动润滑系统(选配)
automatic lubrication system(optional)

高精度传动机构

High precision transmission mechanism
高精度滑轨配合精密齿轮传动机构，实现低震动高速运动，确保机构低噪音超高速等特点。
high precision slide track with precision gear transmission mechanism, achieve low vibration and high speed movement, ensure mechanism low noise super high speed and so on

模数：2
modulus
精度：6级
precision
硬度：48HRC
hardness



模具产品
Mould Products