

RB SERIES RB-L **RB SERIES** RB-PR **RB SERIES** RB-W **XG SERIES** XG-Z



Edition 1
2017

YANGSEN
Take-Out Robot

YANGSEN® ROBOT
FOR THE INDUSTRY AUTOMATION



类型 (Type)	Side Setry Type	Swing Type						Swing Type				
	RBLS50 -V	RB550 RB550-V	RB650 RB650-V	RB750 RB750-V	RB550 -PR	RB650 -PR	RB750 -PR	RB750 -WS	RB850 -WS	RB950 -WS	XG550SF -Z	XG500 -Z
最大荷重 (含治具) MAX load(with tool) (kg) ▶	2	2	2	2	2	2	2	3	3	3	2	2
手臂形式 Type (mm) ▶	单段 Single-Stage	单段 Single-Stage						二段 (倍速式) Telescopic type			单段 Single-Stage	
上下行程 Vertical stroke (mm) ▶	500	550	650	750	P:550 R:550	P:650 R:650	P:750 R:750	750	850	950	550	550
引拔行程 Crosswise stroke (mm) ▶	120	120	120	120	P:120 R:100	P:120 R:100	P:120 R:100	175	175	175	250	250
横出行程(Z轴) Swing stroke (mm) ▶												
驱动方式 Drive System ▶	气压 (pressure)	气压 (pressure)						气压 (pressure)			X,Z 伺服马达 servo motor	气压 (pressure)
最小取出时间 Minimum take time (sec) ▶	0.7	0.7	0.8	0.9	0.8	0.9	1	0.8	0.9	1	0.9	1
空循环时间(不含治具) Dry cycle time(without tool) (sec) ▶	3.8	4	4.2	4.4	4.3	4.5	4.7	4	4.2	4.5	4	4.3
工作气压 Working Air pressure (Kg/cm ²) ▶	5-7	5-7						5-7			5-7	
空气消耗量 Air Consumption (nl/cycle) ▶	7.6	7.6	7.7	7.8	12	13	14	7.7	7.8	7.9	6	12
电源消耗量 Power Consumption (KVA) ▶	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.5
电源 Power ▶	AC220V+10% 50/60HZ	AC220V+10% 50/60HZ						AC220V+10% 50/60HZ			AC220V+10% 50/60HZ	
净重 Net Weight (kg) ▶	42	38	40	42	58	60	62	44	47	50	135	120
适用成型机 LMM,range (Ton) ▶	120-150	50-150	80-180	120-250	50-150	100-180	120-250	100-200	120-250	180-300	80-120	80-120

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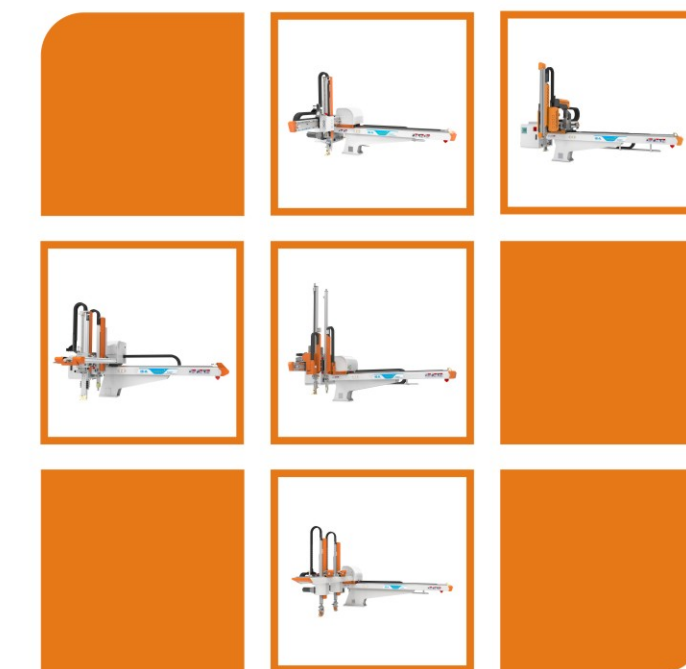
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YANGSEN Take-Out Robot Line-up



Classification ▶

Advanced technology and optimal design in harmony,
YANGSEN a new standard in Take-out Robots

Premium



五轴
Five servo motor robot controller

- 8.4寸触摸屏中英文显示, 人机界面友好。
- 采用了多CPU控制, 系统响应速度快, 动作控制精度高, 定位精度0.01mm。
- 可控制5个伺服轴进行动作, 可扩展IO口, 满足机器外部复杂控制。
- 机器参数、程序程序均可通过U盘在不同机器间导入导出, 方便调试, 使用。
- U盘升级, 可随时更新最新系统, 持续获得稳定支持。
- 除注塑机械手外, 亦可适配其他多轴机械结构。
- 8.4 inch touch screen display in English, user-friendly interface.
- The use of multi CPU control, the system response speed, high control accuracy, positioning accuracy 0.01mm.
- It can control the 5 servo axes, and can extend the IO port to meet the complex external control of the machine.
- The machine parameters, mold number procedures can be imported and exported through the U disk in different machines.
- U disk upgrade, you can update the latest system, continue to get stable support.
- In addition to injection molding machine robot, but also suitable for other multi axis mechanical structure.

Advanced



三轴
Three servo motor robot controller

- 8.4寸触摸屏中英文显示, 人机界面友好。
- 采用了多CPU控制, 系统响应速度快, 动作控制精度高, 定位精度0.01mm。
- 堆叠、用户教导、电动调位等多项功能, 动作作为示教模式, 满足客户的各种控制需求。
- 丰富的保护功能, 自动检测机器运行情况, 及时显示故障报警及故障原因, 确保机器的使用安全。
- 可控制3个伺服轴进行动作, 可扩展IO口, 满足机器外部复杂控制。
- 8.4 inch touch screen display in English, user-friendly interface.
- The use of multi CPU control, the system response speed, high control accuracy, positioning accuracy 0.01mm.
- The stack, the user to teach, electric and other functions of the tune, Action for teaching mode, to meet the various needs of customers.
- Rich protection function, automatic detection of the machine operation, timely display the fault alarm and fault reasons, to ensure the safe use of the machine.
- It can control the 3 servo axes, and can extend the IO port to meet the complex external control of the machine.

General



两轴
Two servo motor robot controller

- 操作面板采用3.5寸真彩屏显示。
- 处理器升级为高性能32位DSP处理器, 系统运行速度比之前提升10倍。
- 高速I/O传输技术, 使机械手的运行速度更快, 可缩短周期时间10%以上。
- 控制精度大幅度提高, 所有时间控制精度达到0.01秒, 可更准确的配合模具取出产品, 缩短机械手的取出时间, 提高注塑机的效率。
- 增加机械手报警信息和取出时间的记忆功能, 方便用户查看机械手历史运行情况。
- 增加USB端口, 方便用户的模组参数的储存和共享, 并可通过U盘进行程序的升级。
- Operation panel with 3.5 inch true color display.
- The processor is upgraded to a high-performance 32 bit DSP processor, the system operating speed increased by up to a factor of 10.
- High speed I/O transmission technology, so that the robot speed is faster, can shorten the cycle time of more than 10%.
- The control precision is greatly improved, and the control precision of all the time is up to 0.01 seconds, which can be more accurate with the mold out of the product, shorten the time to remove the robot, improve the efficiency of the injection molding machine.
- Increase the alarm information and take out the time of the robot memory function, convenient for users to view the robot running history.
- Increase the USB port, easy to store and share the user's module parameters, and can be upgraded program through the U disk.

Basic



单轴
One servo motor robot controller

- 操作面板采用3.5寸真彩屏显示。
- 处理器升级为高性能32位DSP处理器, 系统运行速度比之前提升10倍。
- 高速I/O传输技术, 使机械手的运行速度更快, 可缩短周期时间10%以上。
- Operation panel with 3.5 inch true color display.
- The processor is upgraded to a high-performance 32 bit DSP processor, the system operating speed increased by up to a factor of 10.
- High speed I/O transmission technology, so that the robot speed is faster, can shorten the cycle time of more than 10%.



斜臂
Swing arm robot controller

- 操作面板采用3.5寸真彩屏显示。
- 处理器升级为高性能32位DSP处理器, 系统运行速度比之前提升10倍。
- 高速I/O传输技术, 使机械手的运行速度更快, 可缩短周期时间10%以上。
- Operation panel with 3.5 inch true color display.
- The processor is upgraded to a high-performance 32 bit DSP processor, the system operating speed increased by up to a factor of 10.
- High speed I/O transmission technology, so that the robot speed is faster, can shorten the cycle time of more than 10%.

类型 (Type)	机型 (Model)	最大荷重 (含治具) MAX load(with tool) (kg) ▶	手臂形式 Type (mm) ▶	上下行程 Vertical stroke (mm) ▶	引拔行程 Crosswise stroke (mm) ▶	横出行程(Z轴) Swing stroke (mm) ▶	驱动方式 Drive System ▶	最小取出时间 Minimum take time (sec) ▶	空循环时间(不含治具) Dry cycle time(without tool) (sec) ▶	工作气压 Working Air pressure (Kg/cm ²) ▶	空气消耗量 Air Consumption (nl/cycle) ▶	电源消耗量 Power Consumption (KVA) ▶	电源 Power ▶	净重 Net Weight (kg) ▶

工业自动化智能医师

