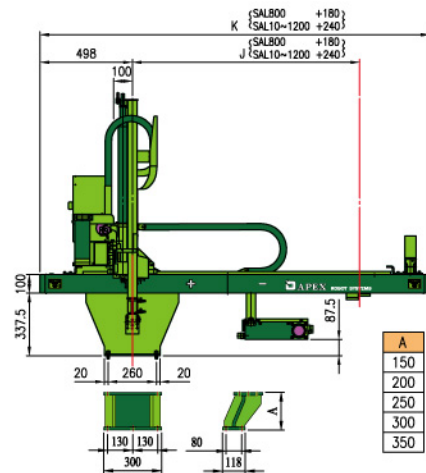
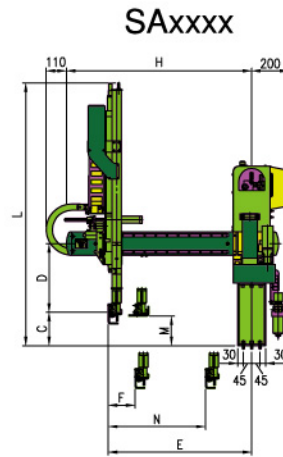


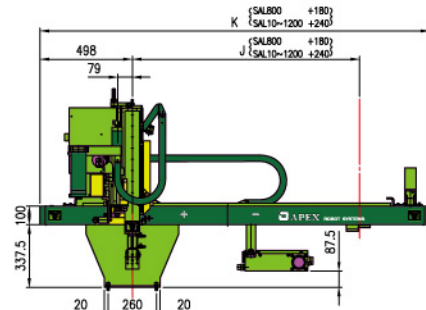
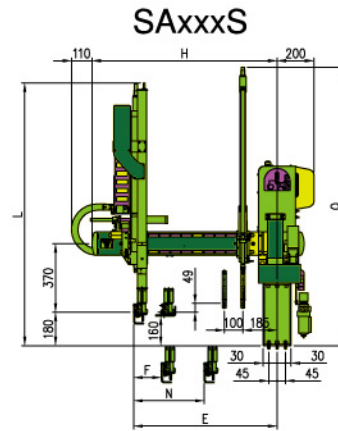
机械规格 Mechanical Drawings



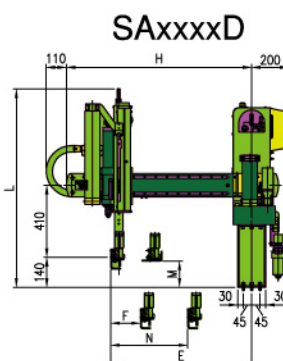
Model No.	C	D	E	F	H	J	K	L	M	N
SA800	180	370	894	200	1120	1226	2126	1537	160	680
SA1000	180	370	1019	250	1240	1406	2306	1717	160	800
SA1200	157	393	1028	300	1240	1646	2546	1917	127	800



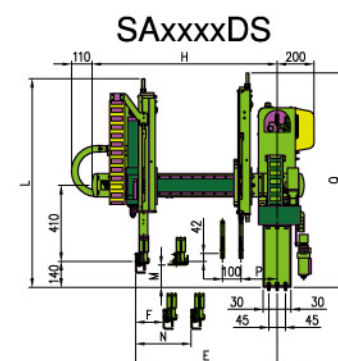
Model No.	E	F	H	J	K	L	N	Q
SA800S	894	200	1120	1226	2126	1537	500	1682
SA1000S	1019	250	1240	1406	2306	1717	620	1882



Model No.	E	F	H	J	K	L	M	N
SA800D	884	200	1120	1226	2126	1175	120	630
SA1000D	1013	250	1240	1406	2306	1275	120	750
SA1200D	1013	300	1240	1646	2546	1375	110	750



Model No.	E	F	H	J	K	L	M	N	P	Q
SA800DS	884	200	1120	1226	2126	1175	120	420	195	1205
SA1000DS	1013	250	1240	1406	2306	1275	120	505	226	1305
SA1200DS	1013	300	1240	1646	2546	1375	110	505	226	1405



技术规格 Technical Specifications

机型 Model No.	循环周期 Dry Cycle(sec.)		适用射出机 I.M.M. Range (Tonne)	行程 Stroke (mm)				最大取重 Max. Payload(kg)	净重 Net Weight (kg)	空气消耗量 Comp.Air Consumption (NL/Cycle)
	取出Take-Out	全周 Cycle		引拔 Crosswise	上下 Vertical	横走 Traverse	主臂 Main			
SA800 单轴单臂 Single-stage & Single-Arm	1.2	11	80-200	—	—	—	—	180	37	—
SA800S 单轴双臂 Single-stage & Double-Arm				100	800	850	1226 (SAL+180)	3	190	42.5
SA800D 双轴单臂 Telescopic & Single-Arm				100	—	—	—	—	200	32.5
SA800DS 双轴双臂 Telescopic & Double-Arm	1.4	12	200-450	100	850	—	3	210	41	—
SA1000 单轴单臂 Single-stage & Single-Arm				—	—	—	—	185	46.5	—
SA1000S 单轴双臂 Single-stage & Double-Arm				100	1000	1050	1406 (SAL+240)	3	195	52
SA1000D 双轴单臂 Telescopic & Single-Arm	1.6	13	450-650	100	—	—	—	—	210	40.5
SA1000DS 双轴双臂 Telescopic & Double-Arm				100	1050	—	3	220	50.5	—
SA1200 单轴单臂 Single-stage & Single-Arm				—	—	—	—	190	59.5	—
SA1200D 双轴单臂 Telescopic & Single-Arm	1.6	13	450-650	—	1200	—	1646 (SAL+240)	6	215	51.5
SA1200DS 双轴双臂 Telescopic & Double-Arm				100	1250	—	3	230	63.5	—

使用电源: AC 110V or 220V 单相 Operation Voltage: AC 110V or 220V Single Phase



APEX DYNAMICS, INC.

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SA
SERIES



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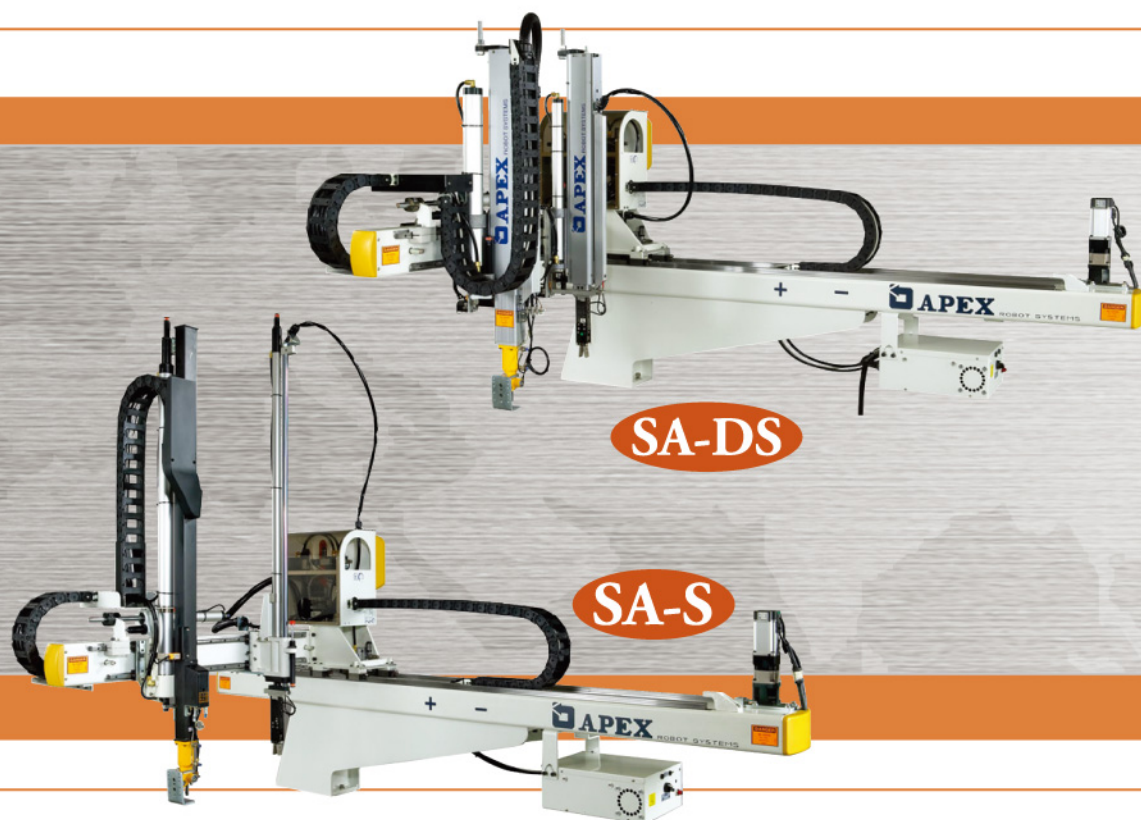
上海精銳廣用動力科技有限公司

上海市青浦工业园区竹盈路128号
No.128 Zhuying Road, Qingpu Industry Zone, Shanghai
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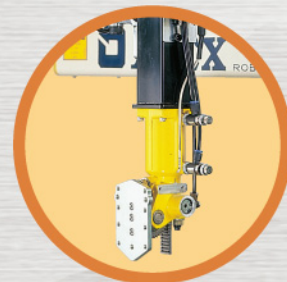
TRAVERSING ROBOT
单轴(横行)伺服马达驱动机器人
Servo Motor-Driven On Traverse-axis

SA TRAVERSING ROBOT 单轴(横行) 伺服马达驱动机器人 SERIES Servo Motor-Driven On Traverse-axis



SA-DS

SA-S



独特的倒角旋转设计结构和气管插销分离装置，易于支援和快速的更换您希望使用的治具。
Uniquely designed wrist rotation device with air shut off pin for excellent protection and quick changes of end-of-arm tooling.



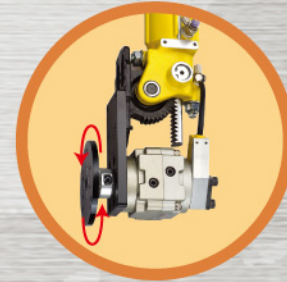
修长型的夹具设计，仅20mm厚度，更适用于狭小的开模距离使用，夹持力可达25Kg/cm²。
Slim gripper design is only 20mm wide for tight mould access. Grip power is 25Kg/cm².



标准配件
吸盘组与选配快速治具。
Standard Accessories
Vacuum pads & frame
Optional Quick change system.



选用配件
取出治具用组件。
Optional Accessories
End-of-arm Tooling accessories.



选用配件
倒角机构外接垂直旋转机构 (90°或180°)。
Optional Accessories
C axis rotation device on EOAT (90° or 180°).



选用配件
真空发生器组。
Optional Accessories
Vacuum generator.



选用配件
介面接头符合SPI(美规)与EUROMAP(欧规)。
Optional Accessories
SPI/EUROMAP plug.

控制系统特点

- 采用一键一功能的全键式操作面板，清晰LCD显示屏幕。
- 多国语言版本，可任意切换使用。
- 10组标准程式，10组可配合模组编辑的教导程式。
- 每组教导程式最大可编写100个步骤，允许编写4种相关的动作变化连成一组同时执行。
- 具有自我诊断系统，随时检视各输出/输入状态，最大可记忆20笔故障讯息记录，以提供维护人员检阅之依据。
- Z轴运动速度，可藉由百分比比率设定随意调整。
- 单轴（横行）伺服马达驱动和精密控制系统，精度范围在±0.1mm以内。

Control System Features

- One key one function operational panel with large LCD screen.
- Multi-language switches and conversational method guides the operator through out user-friendly operation.
- 10 standard and 10 teachable program.
- Each teachable program can store up to 100 steps, and each step can hold 4 parallel motion sequences.
- Self-diagnostic system continually monitors input / output status and stores 20 most recent error messages.
- Z axis speed can be adjusted on a percentage scale.
- AC brushless servomotor drive on traverse axis with accuracy to ±0.1mm.

应用说明

- 1. 成品取出：**
允许模内限制移动，简化治具难度与制作成本。
- 2. 成品置放：**
 - 2区域9组模外循环定位点设定，任意编写程式时，最大可设定置放18点。
 - 如增加主臂引拔设定使用，最大可设定置放36个点。
 - 模外循环定位点设定时，最大可设定置放99个点。
 - 如增加主臂引拔设定使用，最大可设定置放达198个点。
- 3. 外接周边设备：**
提供8个预留输出，5个预留输入的接点，可搭配周边辅机设备，组成全自动化控制系统。
- 4. 品检功能：**
 - 不良品检出：当接到射出机的不良品讯号时，可设定将不良品取出后另行置放于指定区域。
 - 抽样品检：可于程式中将抽检的成品置放于待检区。
 - 试机检验：藉由试机检验设定计数功能，机械手可以将设定试机计数内之成品，置放于不良品置料点位置，并且计数数量不予计算总数。
 - 计数功能：藉由成品设定计数功能，机械手臂将计数良品数量，直到设定数时停止手臂运转，同时发出声响警示通知人员。

Application

- 1. Parts Removal:**
Easy to maneuver within mould area and use unconventional paths to remove mouldings and reduce end-of-arm tooling cost.
- 2. Parts drop off:**
 - 9 programmable Cycle Position with 2 areas total of 18 points.
 - Additional cross axis setting can reach 36 points.
 - Rapid setting using pitch to reach 99 points.
 - Additional cross axis setting can reach 198 points.
- 3. Peripheral equipment:**
5 spare input and 8 spare outputs for interfacing with other auxiliary equipments.
- 4. Inspection :**
 - Reject program: Detects signal from the moulding machine and places part in different area.
 - Inspection program: Places part in different area for QC inspection.
 - Test-mould program: Allow checking of parts at the beginning of each automatic moulding cycle before cycle counter starts.
 - Parts counter: Counts the total number of good parts and stops robot operation once count target is met.