ADTECH (SHENZHEN) TECHNOLOGY CO., LTD.

Address: 5th Floor, Tianxia IC Industrial Park, Majialong, Yiyuan Road, Nanshan

District, Shenzhen City, Guangdong Province, P.R.China

Tel: +86-755-2609 9116 Fax: +86-755-2672 2718 Mob: +86 139 0296 6285

Email:export@machine-controller.com Website: www.machine-controller.com

www.adtechen.com

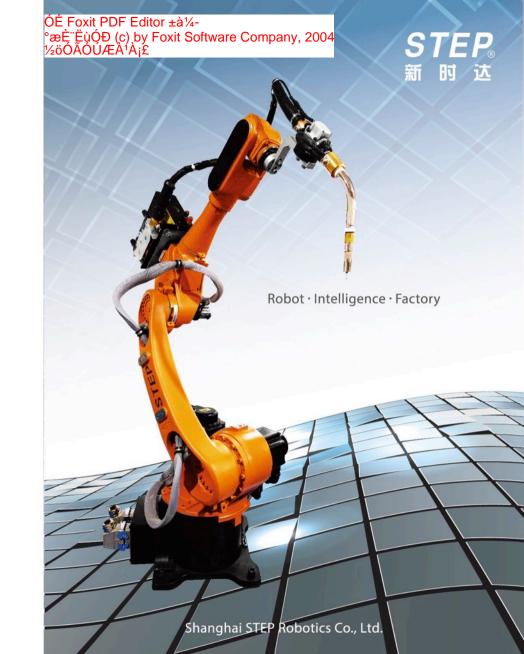
Headquarter (Shanghai) Shanghai STEP Electric Corporation.

Add: No 289, Xinqin Road, Jiading District Shanghai, China. Post Code: 201801

Robot Factory

Add: No.1560, Siyi Road, Jiading District Shanghai, China. Post Code: 201801

The Leader of Domestic Motion Control Solution Provider



SD 500

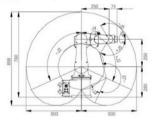
Product Introduction

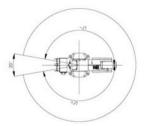
SD Series robots are compact, small and lightweight, ideal for material handling, picking up and sorting, and assembly applications with fast speed and high accuracy. With build-in cables, SD Series robots can fit in narrow working space and can be floor mounted, inverted or tilted in any angle.

Main Applications

- A Material handling
- Assembly

Working Space





Technical Specifications

Model		SD 500
		1kg(Rated)
Wrist Payload		3kg(Max.)
Max Working Radius		500 mm
Number of axis		6
	J1	375° /s
	J2	375° /s
Max Speed	J3	430° /s
	J4	460° /s
	J5	460° /s
	J6	600° /s
	J1	±170*
	J2	±115°
Max Operation Area	J3	+40*~-220*
Max Operation Area	J4	± 185°
	J5	± 125°
	J6	±360°
J5		35 Nm
The Max Moment Allowable Torque	J6	24 Nm
Weight		26 kg
Position Repeatability		±0.015 mm
Working Temperature		0~45°C



SD 700

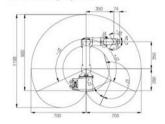
Product Introduction

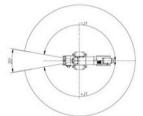
SD Series robots are compact, small and lightweight, ideal for material handling, picking up and sorting, and assembly applications with fast speed and high accuracy. With build-in cables, SD Series robots can fit in narrow working space and can be floor mounted, inverted or tilted in any angle.

Main Applications

- Material handling
- Assembly

Working Space





	Model		SD 700
		1kg(Rated)	
	Wrist Payload		3kg(Max.)
	Max Working Radius		700 mm
	Number of axis		6
		J1	250° /s
		J2	185° /s
	Max Speed	J3	290° /s
	man apada	J4	460° /s
		J5	460° /s
		J6	600° /s
	The state of the s	J1	± 170°
		J2	±115°
	Max Operation Area	J3	+40°~-220°
	max Operation Area	J4	± 185°
		J5	± 125°
		J6	±360°
Th. 11	Manager Aller and Tarres	J5	35 Nm
The Max Moment Allowable Torque		J6	24 Nm
Weight		28 kg	
Position Repeatability		± 0.02 mm	
Working Temperature		0-45°C	



SA 1400

Product Introduction

SA Series robots are compact, small and lightweight, ideal for welding application due to its high stability. It can realize high welding-path accuracy, considerably reduce welding cycle-time, and extend the lifetime of tubes and cables. In addition, SA Series robots can fit in narrow working space and can be floor mounted, inverted or tilted in any angle.

Main Applications

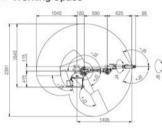
Arc welding

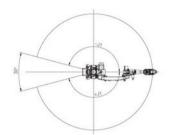
A Material handling

Cutting

Palletizing

Working Space





Technical Specifications

Model		SA 1400
Wrist Payload		6 kg
Max Working Radius		1405 mm
Number of axis	101	6
	J1	150° /s
	J2	150° /s
Max Speed	J3	160° /s
тик орова	J4	360° /s
	J5	320° /s
	J6	360° /s
	J1	± 150°
	J2	+65° ~-180°
Max Operation Area	J3	+160* ~-110
Max Operation Area	J4	± 170°
	J5	± 120°
	J6	± 360°
	J5	54 Nm
The Max Moment Allowable Torque J6		23 Nm
Weight		140 kg
Position Repeatability		± 0.05 mm
Working Temperature		0~45°C



SA 1500

Product Introduction

SA Series robots are compact, small and lightweight, ideal for welding application due to its high stability. It can realize high welding-path accuracy, considerably reduce welding cycle-time, and extend the lifetime of tubes and cables. In addition, SA Series robots can fit in narrow working space and can be floor mounted, inverted or tilted in any angle.

Main Applications

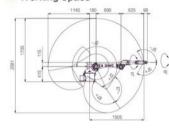
Arc welding

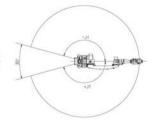
A Material handling

Cutting

Palletizing

Working Space





Model		SA 1500	
Wrist Payload		6 kg	
Ma	x Working Radius		1505 mm
	Number of axis		6
		J1	150° /s
		J2	150° /s
N	lax Speed	J3	160° /s
	an opeda	J4	360° /s
		J5	320° /s
			360° /s
	J1	± 150°	
		J2	+65° ~-180°
May O	peration Area	J3	+160° ~-110°
max O	ociation Area	J4	± 170°
		J5	± 120°
		J6	± 360°
The Men Men	ant Allemakia Tarana	J5	54 Nm
The Max Moment Allowable Torque J6		23 Nm	
Weight		145 kg	
Position Repeatability		± 0.05 mm	
Worki	Working Temperature		0-45°C



Robot · Intelligence · Factory

SA 1800

Product Introduction

SA Series robots are compact, small and lightweight, ideal for welding application due to its high stability. It can realize high welding-path accuracy, considerably reduce welding cycle-time, and extend the lifetime of tubes and cables. In addition, SA Series robots can fit in narrow working space and can be floor mounted, inverted or tilted in any angle.

Main Applications

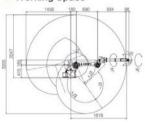
Arc welding

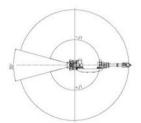
A Material handling

Cutting

Palletizing

Working Space





Technical Specifications

Model		SA 1800
Wrist Payload		8 kg
Max Working Radius		1818 mm
Number of axis		6
	J1	150° /s
	J2	150° /s
Max Speed	J3	160° /s
	J4	360° /s
	J5	320° /s
	J6	360° /s
	J1	± 165*
	J2	+65° ~-180°
Max Operation Area	J3	+170°100′
Max Operation Area	J4	± 185*
	J5	± 120°
	J6	±360°
	J5	54 Nm
The Max Moment Allowable Torque J6		29 Nm
Weight		148 kg
Position Repeatability		± 0.05 mm
Working Temperature		0-45°C



SA 2010

Product Introduction

SA Series robots are compact, small and lightweight, ideal for welding application due to its high stability. It can acquire high welding-path accuracy, considerably reduce welding cycle-time, and extend the lifetime of tubes and cables. In addition, SA Series robots can fit in narrow working space and can be floor mounted, inverted or tilted in any angle.

Main Applications

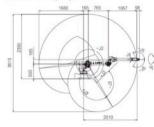
Arc welding

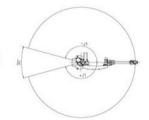
A Material handling

Cutting

Palletizing

Working Space





	Model		SA 2010
	Wrist Payload		8 kg
	Max Working Radius		2010 mm
	Number of axis		6
		J1	150° /s
		J2	120° /s
	Max Speed	J3	120° /s
	mor opcoo	J4	360° /s
		J5	320° /s
		J6	360° /s
		J1	± 165°
		J2	+65° ~-180°
	Max Operation Area	J3	+170° ~-100°
	wax Operation Area	J4	± 185°
		J5	± 120°
	J6	±360°	
Weight		232 kg	
Position Repeatability		± 0.05 mm	
	Working Temperature		0-45°C



SA Robots welding solutions

SA1800 welding system

1.System description

One SA1800 deals with two welding work stations while manual worker is responsible for material handling. After accurately locate the workpiece by positioner and pneumatic gripper SA1800 starts welding.



2.Technological process

1)SA1800 deals with two workstation on its left and right sides.

2) Automatic door on the left side is closed and the right side one stays open for material handling by manual worker when SA1800 is welding on the left work station, vice versa.

3)In order to plan the welding sequences within welding area, it is important to take into consideration of how to manage the extent of welding deformation (e.g. symmetry welding can greatly decrease deformation), and trying to decrease robot's walking time and the time for changing positions.

3.System characteristics

- 1)Safe and stable;
- 2) Firmly welding, perfect welding seam, high stability;
- 3) Clamping workpieces accurately and conveniently.
- 4) Able to clamp workpieces with similar specifications and sizes and clamper is easy and convenient to adjust.

4. Main configuration

	Device	Function description	Quantity
1	Robot SA1800	Welding Robot	1 Piece
2	Clamper Station	Placing and locating workpieces	2 Sets
3	Wire-feeder, welding machine and accessories	Managing wire-feeder, welding data, power source and accessories	1 set
4	Welding Torch	For welding	1 piece for each working static
5	Button case, Indicator light	Buttons of 'start,' 'stop,' 'emergency stop,' and 'start welding' etc.	1 set
6	Shadow shield (with protection function)	Shielding, protection	1 set
7	Automatic safety door	Shielding, protection	2 sets

■ SP200

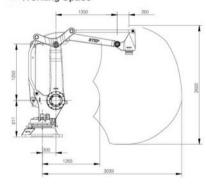
Product Introduction

SP Series robots are 4-axis robots with simple structure, low failure rate. This model has many advantages such as easy to operate, saving energy, with less area occupation etc. Large payload capability enables the robot to handle materials easily which is suitable for heavy loading and large-scale working environment.

Main Applications

- Handling
- Palletizing

Working Space



Model		SP200
Wrist Payload		200 kg
Max Working Radiu	ıs	3039 mm
Number of axis		4
	J1	120° /s
	J2	120° /s
Max Speed	J3	120° /s
	J4	300° /s
	J1	± 180°
	J2	+75° ~-40°
Max Operation Area	J3	+115° ~-20°
	J4	±360°
Weight		1815 kg
Position Repeatable	lity	± 0.5 mm
Working Temperat	ure	0-45°C



SP275

Product Introduction

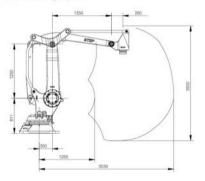
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Main Applications

A Handling

Palletizing

Working Space



Technical Specifications

Model		SP275
Wrist Payload		275 kg
Max Working Radio	JS	3039 mm
Number of axis		4
	J1	80° /s
	J2	80° /s
Max Speed	J3	80° /s
	J4	200° /s
	J1	± 180°
J2		+75° ~-40°
Max Operation Area	J3	+115° ~-20°
	J4	± 360°
Weight		1850 kg
Position Repeatable	ility	± 0.5 mm
Working Temperat	ure	0~45°C

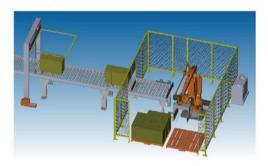


SP Robots solutions

SP200 palletizing system

1.System description

One SP200 works on air-conditioner palletizing. Air-conditioners are feed into packaging area through the roller conveyor then to be send to the end for palletizing.



2.Technological process

1) Automatic packaging machine packs the workpieces transported by roller conveyor;

2)Robot sit at the end of roller conveyor grips the workpiece rapidly;

3)Robot stacks the workpieces based on the set pattern required by clients;

4) After one stack, SP200 starts to palletize another one.

3.System characteristics

1)Safe and stable;

2) By using 4-axis palletizing robot to shorten the cycle-time;

3) The precision can be secured by using the gripper with high accuracy and high stability.

4) Able to grip workpieces with similar specifications and sizes and gripper is easy and convenient to adjust.

4. Main configuration

	Device	Purpose	Quantity
1	SP200 robot	For palletizing	1 Piece
2	Gripper	For gripping air-conditioner	1 set
3	Stacked plate	For placing air-conditioner	2 Sets
4	Roller conveyor and positioner	For positioning air-conditioner	1 set
5	Security fence and other devices		1 set

■ SR20

Product Introduction

With compact structure, SR series robots are equipped with high-precision reducer, allowing the rotating arm can work flexibly within limited space with high speed, suitable for handling, palletizing, assembly etc. In addition, SR robots can be mounted flexibly.

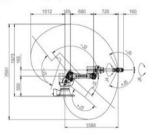
Main Applications

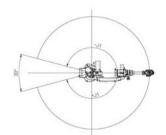
Material handling

Assembly

Palletizing

Working Space





Technical Specifications

Model		SR20	
Wrist Payload		20 kg	
Max Working Radius		1588 mm	
Number of axis		6	
	J1	150° /s	
	J2	120° /s	
Max Speed	J3	120° /s	
	J4	360° /s	
	J5	300° /s	
	J6	450° /s	
	J1	± 165°	
	J2	+40° ~-155°	
May Constitut Assa	J3	+165° ~-100°	
Max Operation Area	J4	±360°	
	J5	± 120°	
	J6	±360°	
Lacy retrieves to the United States	J5	186 Nm	
The Max Moment Allowable Torque J6		98 Nm	
Weight		240 kg	
Position Repeatability		± 0.05 mm	
Working Temperature		0~45°C	



SR25

Product Introduction

SR Series welding dedicated robots are compact, small and lightweight, ideal for welding application due to its high stability. It can acquire high welding-path accuracy, considerably reduce welding cycle-time, and extend the lifetime of tubes and cables. In addition, SR Series robots can fit in narrow working space and can be floor mounted, inverted or on the wall in any angle.

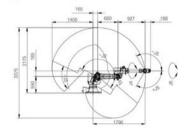
Main Applications

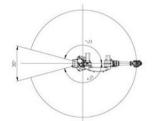
Arc welding

Palletizing

A Material handling

Working Space





Model		SR25
Wrist Payload		25 kg
Max Working Radius		1790 mm
Number of axis	570	6
	J1	150° /s
	J2	120° /s
Max Speed	J3	120° /s
Max Speed	J4	300° /s
	J5	300° /s
	J6	360° /s
	J1	± 165°
	J2	+40°155°
Max Operation Area	J3	+170°70°
max Operation Area	J4	±360°
	J5	± 120°
	J6	± 360°
	J5	382 Nm
The Max Moment Allowable Torque J6		255 Nm
Weight		288 kg
Position Repeatability		±0.05 mm
Working Temperature		0~45°C



SR50

Product Introduction

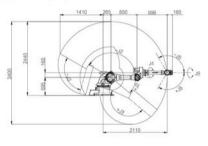
With compact structure, SR series robots are equipped with high-precision reducer, allowing the rotating arm can work flexibly within limited space with high speed, suitable for handling, palletizing, assembly etc. In addition, SR robots can be mounted flexibly.

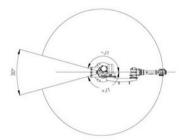
Main Applications



- Casting
- WeldingPolishing
- ▲ Palletizing ▲ Assembly

Working Space





Deburring

Technical Specifications

Model		SR50
Wrist Payload		50 kg
Max Working Radius		2110 mm
Number of axis		6
	J1	120° /s
	J2	100° /s
Max Speed	J3	100° /s
mux opens	J4	180° /s
	J5	180° /s
	yload g Radius of axis yload	200° /s
	J1	± 165°
	J2	+40° ~-150°
Max Operation Area	J3	+165° ~-105°
max Operation Area	J4	±360°
	J5	± 120°
	J6	± 360°
Weight	Weight	
Position Repeatability		± 0.25 mm
Working Temperature		0~45°C



SR165

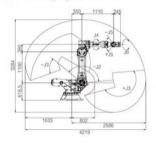
Product Introduction

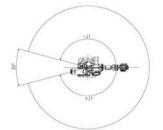
With compact structure, SR series robots are equipped with high-precision reducer, allowing the rotating arm can work flexibly within limited space with high speed, suitable for handling, palletizing, assembly etc. In addition, SR robots can be mounted flexibly.

Main Applications

- ▲ Material handling
 ▲ Palletizing
- ▲ Casting
- ▲ Welding
 ▲ Polishing
- Deburring

Working Space





Model		SR165	
Wrist Payload		165 kg	
Max Working Radius		2586 mm	
Number of axis		6	
	J1	110° /s	
	J2	110° /s	
Max Speed	J3	110° /s	
Max Speed	J4	175° /s	
	J5	150° /s	
	J6	240° /s	
	J1	± 165°	
	J2	-5° ~-140°	
Max Operation Area	J3	+170° ~-60°	
max Operation Area	J4	±360°	
	J5	± 125°	
	J6	±360°	
Weight		1250 kg	
Position Repeatability		± 0.25 mm	
Working Temperature		0~45°C	



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SR210

Product Introduction

With compact structure, SR series robots are equipped with high-precision reducer, allowing the rotating arm can work flexibly within limited space with high speed, suitable for handling, palletizing, assembly etc. In addition, SR robots can be mounted flexibly.

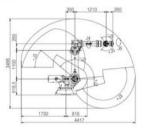
Main Applications

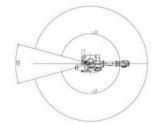


Palletizing

Casting Assembly Welding Polishing

Working Space





Technical Specifications

Model		SR210
Wrist Payload		210 kg
Max Working Radius		2687 mm
Number of axis		6
	J1	95° /s
	J2	85° /s
Max Speed	J3	95° /s
тих оросо	J4	125* /s
	J5	125° /s
	Payload rking Radius 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	190° /s
	J1	± 165°
	J2	-5° ~-140°
Max Operation Area	J3	+170°40
Max Operation Area	J4	±360°
	J5	± 120°
	J6	±360°
Weight		1250 kg
Position Repeatability		± 0.25 mm
Working Temperature		0-45℃



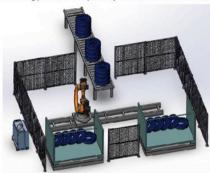
Deburring

SR Robots solutions

SR50 handling systems

1.System description

Tyre loading and unloading process are completed by SR50 on the track motion moving back and forth with high precision gripper.



2.Technological process

1)The end of roller conveyor positions the workpiece;

2)SR50 moves from the edge of the track close to roller conveyor to pick up the tyre;

3)By moving along the track SR50 places the tyres on rotating stacking plate;

4)Forklift truck transports the filled stack to the given area.

3.System characteristics

- 1)Safe and stable:
- 2) Floor-mounted track extends the robot's working range;
- 3) Adopting robots gripper with high precision and high stability ensures the high accuracy to grip workpieces.
- 4) Able to grip workpieces with similar specifications and similar sizes.

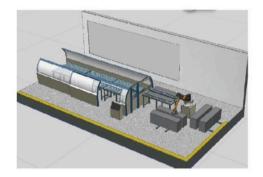
4. Main configuration

	Device	Purpose	Quantity
1	SRS0 Robot	For tyres handling	1 piece
2	Tyre gripper	For tyres gripping	1 set
3	Robot track	For robot moving and extending working area	1 piece
4	Rotating stacked plate	For rotating stacked plate	2 sets
5	Roller conveyor and positioner	For tyres transporting	1 set
6	Security fence and other devices		1 set

SR210 Robot palletizing system

1.System description

This system uses SR210 to palletize the doorplate. The robot cell interacts with Salvagnini device to identify and flip workpieces.



2.Technological process

1)Salvagnini sends the signal to SR210 after finish bending;

2)SR210 flips the workpiece 180°.

3)SR210 moves to the unloading point to place the workpiece after received the command and then goes back to the original point.

3.System characteristics

1)Safe and stable:

2)Robot gripper can adjust to grip workpieces with different specifications;

3) Workpieces can be positioned accurately and rapidly.

4. Main configuration

	Device	Purpose	Quantity
-1	SR210 Robot	For workpieces handling	1 piece
2	Gripper	Suitable for workpieces with different sizes	1 set
3	Turning table	For turning over the workpieces	2 sets
4	Security fence and other devices		1 set



SRC control system

- ▲ Innovative modular design, easy for operating and maintaining, maximized availability
- ▲ Integrating robot control, security control, PLC control and motion control
- ▲ Scalable and flexible control system with outstanding performance which not only confine to be used in robots
- ▲ Real-time communication among dedicated controlling modular (Industry EtherNet)
- ▲ High compatibility with other system's software and program, which reduces the cost of upgrading and maintaining.
- A Rapid and convenient operating thanks to tested instruction set for better programming by users
- ▲ Enough external interfaces function extension, meeting the demands of special industry such as welding etc.
- ▲ Higher protection level, brand-new cooling system to fit in harsher environment
- △ Optimizing the performance with better cost control

System characteristics

	Specifications				
:	Rated input voltage: 380VAC :	± 10%			
	Power capacity (Max.): 20KVA	(Max.)			
Electric system	Power frequency: 50Hz				
	Environment temperature: 0~	-40°C			
	Environment humidity: 45~80	0% RH			
	Number of axis: maximum 12	axis			
	Advanced multi-processing co	ontrol system			
Control	Advanced robot programmin	g language			
	Portable, extendable, open				
	Pre-installed software with ac	dditional disc			
	1.25kg(excluding cable)				
	6.5 inch color touch screen(V	GA 640X480)			
	Emergency stop function				
Teaching pendant	Three-position starting device				
reacting periodite	Supporting operation by both hands				
	Supporting USB memory				
	IP65 Protection IP65				
	Status indicated by LED light				
Maintenance	Diagnosis software and tool				
Maintenance	Zero position storage function when losing power				
	Reserved remote service function				
	Emergency stop function				
4000000	Double channel safety circuit	with monitoring function			
Security	Three-position starting device	e			
	Reserved external safety inter	rface			
Physical characteristics	Dimension (mm)	Weight	Protection available		
Control cabinet	650x 520 x 900	About 150kg	IP54		
Extended interface			•		
Digital	24VDC or electric relay signal				
Analog	0-10V				
		EtherCAT			
Bus communication	CANopen				
	EtherNet/IP				







Automatic bearing beam welding cell

Description

SR18L8 are used for welding in this case. According to the requirements of welding technology and environment protection, positioner and walk device are adopted to make sure the separation between welding area and manually material handling.

Results

The number of production team of 8 workers reduced to 2, with capacity up to 50 bearing beams per day.







Large safe automatic welding cell

Description:

SR18L8 was adopted in this case for welding. A dedicated welding program package was offered by R&D team to make sure the welding quality. SP275 was followed to unload the finished products.

Results:

Capacity is up to 48 boxes per day, eliminating 6 labors.











Automatic sheet metal processing line

Description:

SR50 works together with punching machine to pierce sheet metal and cooperates with bender to bend doorplates while SR210 and SA1400 is doing spot welding and arc welding job simultaneously.

Results:

The numbers of workers reduced from 6 to 1 for taking care of robots. Un-processed sheet metal was sent in and out as the finished elevator door.











Air-conditioner palletizing station

Description:

SP200 sits the end of air-conditioner assembly line to palletize the finished products.

Results

2400 sets air-conditioner can be stacked per day and 3 workers' costs were saved.







Stereoscopic warehouse

Description:

Working with visual inspection system, SR50 un-stacks and re-stacks irregular bagged materials.

Results:

Saved 5 workers/shift and capacity up to 3200 bags/8h(before 2000 bags/8h).



Sheet metal bending

Description:

Cooperating with bender, SR50 bends the sheet metal with different specifications. STEP unique bending program package ensures that the flange strictly follows movement orbit of sheet metal for high bending precision.



STEP.









Automatic palletizing cell

Description:

SR210 (payload 210kg, reach 2700mm) works with Salvagnini sheet metal process line to unload materials.

Results:

Capacity is up to 960 sheet metals/day shift (8 hours), eliminating 4 labors.

Robot · Intelligence · Factory

ADT-400X4H150-011

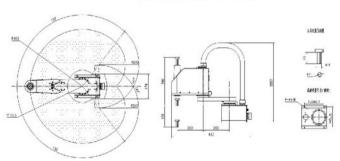
Product picture & Specifications



			ADT-400X4H150-011
	Type		Horizentally multi-joint
	Numbe	r of axis	4
	Res	ach	400mm
	Y-axis	Arm length	200mm
	A-data	Rotation range	±130°
Axis	Y-axis	Arm length	200mm
specifications	T-axis	Rotation range	±147*
	Z-axis	Travelling distance	150mm
	R-axis	Rotation range	±360°
		X-axis	600°/S
		Y-axis	600°/S
Max. Spo	red	Combination of X&Y-axis	6.1m/s
		Z-axis	1.3m/s
		R-axis	6000*/s
Sta	ndard	cycle time	0.6s
		X&Y-axis	±0.025mm
Positio Repeatab		Z-axis	±0.01mm
10000000		R-axis	±0.03*
Rat	ed/Ma	x. Payload	1Kg/2kg
Inertia me	oment v	vithin permissable	0.002 kg·m2
		xis(Rated/Max.)	0.005 kg·m2
Sig	nal cab	le for user	0.15sq×26
1	ubing	for user	Φ6×2
Limiting position protection		ion protection	Software position limitation Mechanical position limitation(X&Y&Z-axis)
Weight		ight	16Kg

ADT-400X4H150-011 (Floor mounted Standard) (Unit: mm)

Working range and external dimension



ADT-600X4H300-051

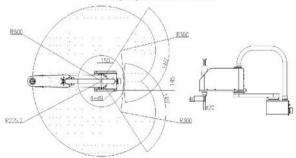
Product picture & Specifications



			ADT-600X4H300-051
Type		pe	Horizentally multi-joint
	Number of axis		4
	Re	ach	600mm
	X-axis	Arm length	300mm
		Rotation range	±125°
Axis	Y-axis	Arm length	200mm
specifications	T-BXIS	Rotation range	±140°
	Z-axis	Travelling distance	200mm
	R-axis	Rotation range	±360°
		X-axis	375*/S
		Y-axis	600°/S
Max. Spr	hed	Combination of X&Y-axis	7.1m/s
		Z-axis	1.1m/s
		R-axis	1500°/s
Sta	ndard	cycle time	0.5s
		X&Y-axis	±0.03mm
Positio Repeatab		Z-axis	±0.015mm
repeated	, iii.y	R-axis	±0.03*
Rat	ed/Ma	x. Payload	3Kg/6kg
Inertia m	nenent v	vithin permissable	0.001 kg·m2
		oxis(Rated/Max.)	0.004 kg·m2
Signal cable for user		ole for user	0.15sq×26
Tubing for user		for user	Ф6×3
Limiting position protection		ion protection	Software position limitation Mechanical position limitation(X&Y&Z-axis)
	We	ight	40Kg

ADT-600X4H300-051 (Floor mounted Standard) (Unit: mm)

Working range and external dimension





٨	Model	SD500	SD700	SA1400	SA1500	SA1800	SA2010
Number of axis		6	6	6	6	6	6
Pay	load(kg)	1	1	6	6	8	8
	J1 (° /s)	375	250	150	150	150	150
	J2 (° /s)	375	185	150	150	150	120
Max	J3 (°/s)	430	290	160	160	160	120
speed	J4 (° /s)	460	460	360	360	360	360
	J5 (°/s)	460	460	320	320	320	320
	J6 (°/s)	600	600	360	360	360	360
	J1 (°)	± 170	± 170	± 150	± 150	± 165	± 165
	J2 (°)	± 115	± 115	+65~-180	+65~-180	+65~-180	+65~-180
Max operating	J3 (°)	+40~-220	+40 ~ -220	+160~-110	+160~-110	+170~-100	+170~-100
area	J4 (°)	± 185	± 185	± 170	± 170	± 185	± 185
	J5 (°)	± 125	± 125	± 120	± 120	± 120	± 120
	J6 (°)	±360	±360	±360	±360	±360	±360
Max wo	orking radius	500	700	1405	1505	1818	2010
٧	Veight	26	28	140	145	148	232
Position repeatability		±0.015	±0.02	±0.05	±0.05	±0.05	±0.05
Mounti	ng condition	floor, tilted, inverted					
App	lications	Welding, handling, palletizing, bending, cutting, polishing etc.					
Ar	m type	Vertically multi-joint					
Contr	Control system SRC4						
	Environment temperature	(0−45) ℃					
Mounting	Relative humidity			35% ~ 85	5% Frost free		
condition	Vibration			belo	w 0.5kg		
	Others	Robot mounting	must be away fron	n the disturbance of	f flammable, corros	ive liquids and gas	as well as electri

SR20	SR25	SR50	SR165	SR210	SP200	SP275
6	6	6	6	6	4	4
20	25	50	165	210	200	275
150	150	120	110	95	120	80
120	120	100	110	85	120	80
120	120	100	110	95	120	80
360	300	180	175	125	300	200
300	300	180	150	125		
450	360	200	240	190		
± 165	± 165	± 165	± 165	± 165	± 180	± 180
+40~-155	+40~-155	+40~-150	-5~-140	-5~-140	+75~-40	+75~-40
+165~-100	+170~-70	+165~-105	+170~-60	+170~-40	+115~-20	+115 ~ -20
±360	±360	±360	±360	±360	±360	± 360
± 120	± 120	± 120	± 125	± 120		
±360	±360	±360	±360	± 360		
1588	1790	2110	2586	2687	3039	3039
240	288	510	1250	1250	1815	1850
±0.05	±0.05	±0.25	± 0.25	± 0.25	±0.5	±0.5
floor, tilte	ed, inverted			floor		
	Wel	ding, handling, palleti	zing, bending, cutting	g, polishing etc.		
		Vertic	cally multi-joint			
			SRC4			
		(0~45)℃			
		35%~	85% Frost free			
		b	elow 0.5kg			