

AUTOMATION | MECHATRONIC | CONSTANT

## **COMPANY PROFILE**





### **Our Mission:**

To optimize production floor by bridging part suppliers and manufacturers

### **Our Vision:**

To unlock all levels of factory potential via automation technology

Since 2009, AMC SYSTEM SDN BHD is equipped with more than a decade of experience in providing critical components and manufacturing systems required for the industry, hence we are the Factory Solution.

## **Our Esteemed Clients**

# **DENSO**

















































## Our Products

## **Drive System** Hyponic Gear Motor Horizontal Gear Motor Angle Gear Motor Index Unit Brushless Motor Induction Motor Gear Motor Direct Drive Motor **Power Transmission Equipment** Set Collar Stock Gear Roller Chain Conveyor Chain Coupling Magnetic Clutch and Brake Bellow **Roller Bearings** Cross Roller Bearing Roller Bearing Needle Bearing PU bearing Pillow Block Rod End Bearing Oiless Bush Plummer Block **Linear Motion System** Precision Ball Screv Linear Motion Guide

Ball Spline

Linear Bush

## **Our Products**

### **Linear Motion System**







Million Guide



Support Unit



Cam Follower





Ball Screw



**Pneumatic & Vacuum Equipments** 



Pneumatic Gripper



Air Cylinde



Solenoid Valve



F.R.L Uni



Compressor



Vacuum Pump



Air Ejector



**Hydraulic Equipments** 



Hydraulic Unit



Hydraulic Cylinder





Pipes, Fittings, Hoses, Valves



Pneumatic Fittings



Tubings



Rotary Joint



**Material Handling& Transport Equipments** 













Ball Transfer Unit



Adjuster Unit



## **Our Products**

### **Material Handling & Transport Equipments**



Motor Roller Unit



Electric Scissor Lifter



Lifter Unit



Electric Chain Block



Mobile Hydraulic Lifter





**Material & Machine Elements Parts** 



Magnetic Catch



Hinges



Precision Lock Nut



Gas Spring



Anti-Vibration Rubber Pad Aluminum Profile





Hand Whee



**Pumps & Blowers** 



Centrifugal Blower Unit



Fan Blower



Vortex Blower



Hot Air Blower



Pump Unit



In-line Pump



Roots Blower



Oil Mist Collector

### **Factory Facility & Environmental Equipments**





Paint Spray Unit



Hi Pressure Jets







Basket Trolley





ShinMaywa	S. BATTARI	1 <u>Z</u> c	JANOME
StraPack	LAMP, SUGATSUNE	Sugico	Bishamon
Sumitomo	SPACIO	SURUGA	SEIKI
EPSON	SEISHIN ENTERPRISE CO., LTD.	SENQCIA Chains & Building Solutions	CENTRAL CONVEYOR
ELEPHANT	Rexroth Bosch Group	-Parker 7/4/1/10	TAKIGEN
TAKUMA CARRY	TACMINA	TAC TAC GIKEN INDUSTRIES,INC.	DAI-ICHI DENTSU
DAIKIN	P Daido Precision	EDAITO	DAIFUKU
Sainichí (Banso	DAIWAADTECH	CHUO PRECISION	Reelex
CBS.	<b>TCHIYODA</b>	TSUKASA	TSUKASA
<b>T</b> TSUBAKI	THK	THK INTECHS	TECHNO DRIVE
TERAL	DYMCO	DKS	DENSO
CTOKAI CASTER	Tokai Kogyo Seiki	Tokai Seigi Co.,Ltd.	TOSHIBA
TOSEI	TOTAKU	TOK BEARING	<b>(</b> )ТОНО
TOHO	<b>⊕</b> тоиноки	Точо-окт	TECHNO
TRIPLE Reduce Reuse Recycle	SKimberly-Clark	NKS	nasco





## **CUSTOM FA SOLUTION**

## **Automation System**

### Designing and manufacturing automatic machine

AMC SYSTEM SDN BHD provides the professional solutions to cater your needs such as inspection machine, loader machine, pick and paste machine, dispenser, and other automatic equipments. With more than a decade of experience in factory solution, our customers are enabled by high efficiency and precision with minimal cost due to the utilization of aluminum frame and accessories developed by AMC SYSTEM SDN BHD.

### Design

Supporting design based on customer's requirement by expert engineers both in mechanical and electrical field.

### **Technical Support**

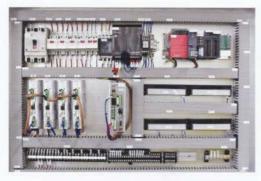
Our technical support team will advise the selection of robot model, consult and operate for installation, programming, wiring and other operation process until that application run smoothly.

### Service & Maintenance

Maintenance service is available when IAI product broke down or maintain the lifetime of product for longer with efficiency quality.







Electric control for automation system



Inspection camera



Flat belt transfer conveyor



### **ELECYLINDER®**

Simple yet high performance electric actuators that brings you profits.

ELECYLINDER can be operated only by ON/OFF signals like solenoid valves. It's easy to operate for beginners. You can adjust A (Acceleration), V (Velocity) and D (Deceleration) individually by input percentage. It can start/stop smoothly at high speed.



Equipped with battery-less

Built-in controller type

#### Standard

#### Slider type

Body width (mm): 63-73 Stroke (mm): 50-500 Maximum payload (kg): Horizontal 51/Vertical 19

### Rod type

Body width (mm): 63-73 Stroke (mm): 50-300 Max. payload (kg): Horizontal 80/Vertical 19

#### Side-mounted motor

Body width (mm): 63-73 Stroke (mm): 50-500 Maximum payload (kg): Horizontal 51/Vertical 19

EC-RR□R

#### Small type

Body width (mm): 35-44 Stroke (mm): 50-300 Max. payload (kg): Horizontal 18/Vertical 6.5

#### Small, side-mounted motor

Body width (mm): 35-44 Stroke (mm): 50-300 Maximum payload (kg): Horizontal 18/Vertical 6.5

#### Wide type

Body width (mm): 100, 120 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 62/Vertical 13.5









#### Radial Cylinder

#### Radial Cylinder®

Body width (mm): 63-73 Stroke (mm): 65-315 Maximum payload (kg): Horizontal 80/Vertical 19

### High-rigidity Radial Cylinder®

Body width (mm): 63-75 Stroke (mm): 50-1000 Maximum payload (kg): Horizontal 80/Vertical 28

EC-RR□AH

EC-RR□AHR EC-RR□XAH

### Small type Radial Cylinder®

Body width (mm): 35-44 Stroke (mm): 50-300 Maximum payload (kg): Horizontal 35/Vertical 6.5



#### High-rigidity

#### High-rigidity slider type

Body width (mm): 63-75 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 51/Vertical 25



#### Side-mounted motor

Body width (mm): 63-75 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 51/Vertical 25



#### High rigidity radial cylinder

#### High Rigidity Radial Cylinder

Body width (mm): 63-75 Stroke (mm): 50-1000 Maximum payload (kg): Horizontal 80/Vertical 28 EC-RR

EC-RR□X

#### **Environment-resistant**

## Body width (mm): 63-73 Stroke (mm): 50-300



Body width (mm): 63-73 Stroke (mm): 65-315 Maximum payload (kg): Horizontal 80/Vertical 19

EC-RR□W





EC-S□AHCR

### Belt drive

## Long stroke Body width (mm): 63-73 Stroke (mm): 300-2600 Maximum payload (kg): Horizontal 20

EC-B

### Compact Table type

Body width (mm): 78-88 Stroke (mm): 30, 50, 100, 150 Maximum payload (kg): Horizontal 20/Vertical 6.5



EC-TC/TW

#### Rod type

Body width (mm): 34-112 Stroke (mm): 30, 50, 100, 150 Maximum payload (kg): Horizontal 35/Vertical 6.5



EC-RP/GS/GD

#### Others

#### Rotary

Body width (mm): 90-117 Max. swaying angle (degree): 330 Max. speed (degree/s): 600

### Stopper cylinder

Body width (mm): 148 Stroke (mm): 50 Max. workpiece mass (kg): 50



EC-RTC





### **ELECYLINDER® Digital Speed Controller**

Electric actuator can change speed by entering numeric values directly.

No need to connect a PC or a teaching pendant. Setting and trial operations can be performed by the ELECYLINDER alone.

Built-in controller type

# IAI

#### Standard

#### Slider type

Body width (mm): 63-73 Stroke (mm): 50-500 Maximum payload (kg): Horizontal 51/Vertical 19



#### Side-mounted motor

Body width (mm): 63-73 Stroke (mm): 50-500 Maximum payload (kg): Horizontal 51/Vertical 19

## Small type

Body width (mm): 35-44 Stroke (mm): 50-300 Maximum payload (kg): Horizontal 18/Vertical 6.5

#### Small, side-mounted motor

Body width (mm): 35-44 Stroke (mm): 50-300 Maximum payload (kg): Horizontal 18/Vertical 6.5

#### Wide type

Body width (mm): 100, 120 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 62/Vertical 13.5

Program-

less













Radial Cylinders

#### Radial cylinder®

Body width (mm): 63-73 Stroke (mm): 65-315 Maximum payload (kg): Horizontal 80/Vertical 19



High-rigidity Radial Cylinder®

Body width (mm): 63-75

Stroke (mm): 50-1000

#### Small type Radial Cylinder®

Body width (mm): 35-44 Stroke (mm): 50-300 Maximum payload (kg): Horizontal 35/Vertical 6.5



#### High-rigidity

High-rigidity Slider type Body width (mm): 63-75 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 51/Vertical 25



#### Side-mounted motor

Body width (mm): 63-75 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 80/Vertical 28



#### High rigidity radial cylinder

**EC-DRR** 

#### High Rigidity Radial Cylinder

Body width (mm): 63-75 Stroke (mm): 50-1000 Maximum payload (kg): Horizontal 80/Vertical 28 **EC-DRR** EC-DRR□X

#### **Environment-resistant**

### Cleanroom specification Body width (mm): 35-75 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 51/Vertical 25

EC-DS□CR EC-DS□AHCR

#### Belt drive



#### **ELECYLINDER®**

#### Large slide type

## Slider type Body width (mm): 132-156 Stroke (mm): 100-2500 Maximum payload (kg): Horizontal 108/Vertical 36

200V power supply for **ELECYLINDER®** 



#### **ELECYLINDER®**

### Field network connection unit

Field network compatible remote I/O



### **ELECYLINDER®**

Teaching pendant with dedicated power supply unit



**TB-03E** 



ROBO Cylinder®

These affordable, highly precise and high rigidity actuators have 1/5th the running cost of a pneumatic system.

ROBO Cylinder is high-performance electric actuator equipped with a ball screw, linear guide, and servo motor. These next-generation actuator has multi-point positioning capability as well as the ability to change speed and acceleration, unlike anything seen with air cylinders.



Slider Type

Suitable for moving something horizontally and for a long distance.

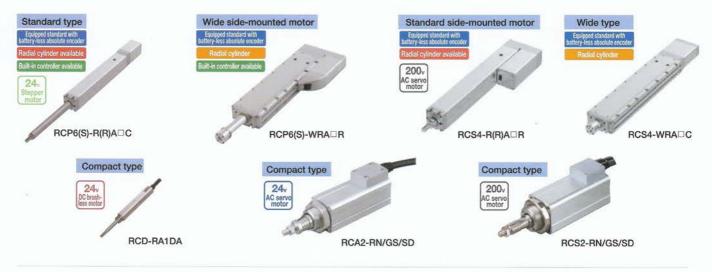
Body width (mm): 22-160, Stroke (mm): 25-2600, Maximum payload (kg): Horizontal 100 / Vertical 55



Rod Type

Use rod type when moving workpieces vertically or carrying them with a chuck. It is also suitable for pushing operations and press-fitting operations.

Body width (mm): 12-200, Stroke (mm): 10-800, Maximum payload (kg): Horizontal 300 / Vertical 150 (Except High payload)



Servo press

Rod type actuators are equipped with a load cell at the rod tip. High-precision pushing (pressurizing) operations are possible. Body width (mm): 40-200, Stroke (mm): 100-520, Max. pushing force (N): 50000



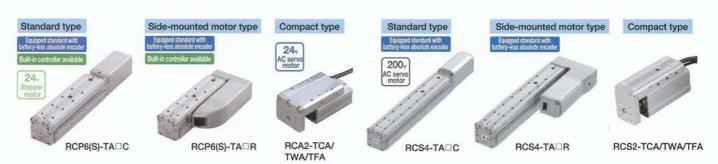




Table type

Use this type when moving workpieces vertically and when moment loads are applied.

Body width (mm): 32-95, Stroke (mm): 20-390, Max. payload (kg): horizontal 30 / vertical 24.







### **SCARA Robot**

Horizontal articulated robots suitable for high-speed transfer operations of light workpieces

IXA Arm length (mm): 300-1000 Standard cycle time (S): 0.26-0.45 Max. payload (kg): 3-24

IXP (Power Con type)

Arm length (mm): 180-650 Max. payload (kg): 6







IXA-NSN





**Table Top Robot** 

All-in-one, table-top type robot equipped with built-in controller and power supply unit

Selectable from stepper motors or servo motors. Body width (mm): 401-755.8 XY axis stroke (mm): 150-500





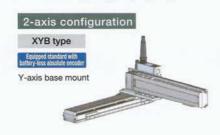


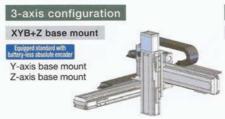


### Cartesian Robot

Many variations are available by combining single-axis robots.

Realizes high rigidity by ingenious mechanical design. Number of axes: 2-6 Max. payload (kg): 65







6-axis configuration

Z-axis base mount type (Z-axis slider movable)



High-speed Cartesian type

Cartesian 4 axes + Rotary axis



## **ROBO Cylinder®**

High precision, high rigidity and low cost with only one-fifth of the running cost of air cylinders.

#### Rotary type

Use this type when changing the direction of the workpiece or for precise positioning as an index. Body width (mm): 45-233, Maximum speed (degree/s): 266-1200

Hollow type



RCP6-RTFML

Flat type

Vertical type



RCP2-RTB

Rotary type





BCS2-BTC□L

Direct drive motor

Body width (mm): 180 Max. speed (degree/s): 1800



DDA-LT/LH

#### Gripper type

Suitable for gripping and lifting up workpieces.

Stroke (mm): 2-finger 4-260, 3-finger 10, 14 (dgree): 2-finger 180, 3-finger 19

Solenoid type

Ultra compact slide type

RCP2-RTC



GRM-S/M EG (Outer diameter grip) S/M IG (Inner diameter grip)



**RCD-GRSNA** 

Long stroke: Coupling type



RCP6(S)-GRST□C

3-finger slide type

Long stroke: Side-mounted motor type



RCP6(S)-GRST□R

Thin slide type Equipped standard with battery-less absolute encoder





RCP6-GRT

Slide type



RCP4-GRS

Lever type



RCP4-GRL



BCP2-GR3S

3-finger lever type



RCP2-GR3L

Rotary chuck type

Rotation capability with the rotary and gripping capability with the gripper are integrated into one unit.



RCP6-RTCK

### **Others**

Stopper cylinder

Body width (mm): 106.5-108 Stroke (mm): 20-30





### ZR Unit (vertical/rotation integrated type)

Body width (mm): 2/122, M/138 Max. payload (kg): S/3, M/6





Body width (mm): S/136.5, M/136.5 Max. payload (kg: S/1, M/2





WU-S/M



### Single-axis Robot

Intelligent actuator with high speed and high transfer capabilities

The single-axis robot is a high-precision indexing device, which is quipped with a base, linear guide, ball screw and servo motor integrated into one unit. It reduces designing and adjustment times, achieving lower costs.



#### Cleanroom Specification

Suitable for transfer and indexing in the cleanroom.

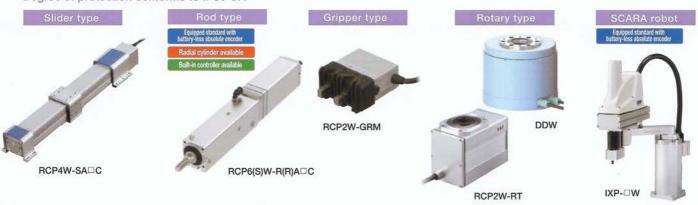
Electric actuators for cleanroom applications, compliant with Class 10 or Class 100.



### Dust- and Splashproof Specification

Operations with extreme dust or water splashes.

Degree of protection conforms to IP50-67.





### Controller

Select an operational pattern based on the purpose of use.

#### Positioner type

#### Single-axis controller

<Small> Position controller Max. dimensions: W28mm x D69mm x H80mm



PCON-CYB



ACON-CYB



DCON-CYB





PCON-CB



Position controller DC24V/AC100V/AC200V types

ACON-CB



DCON-CB

Max. dimensions: W49mm x D116mm x H158mm



SCON-CAL

Max. dimensions: W72mm x D121mm x H194mm



SCON-CB

#### Multi-axis controller

Position controller DC24V type Max. dimensions: W223.4mm x D95mm x H115mm



RCON

## IAI's new controller series R-unit This series of unit-connecting controllers allows you to freely select and combine connected actuators and control methods. ROON R-unit

#### Program Type

#### Multi-axis controller

W100mm x D126mm x H177~195mm

Max. dimensions: Max. dimensions: W304mm~372mm x D125.3mm x H195mm



SSEL



XSEL



RSEL

#### **Touch Panel Teaching Pendant**

Position controller / Program controller common use Max. dimensions: W190mm x D25mm x H155mm

Position controller / Program controller common use Max. dimensions: W200mm x D34mm x H155mm

Teaching pendant with dedicated for EC power supply unit Max size: W250mm x D57.4mm x H164.4mm



TB-02



TB-03



TB-03E/TB-02E

# SUSTAINABLE GEALS DEVELOPMENT GEALS





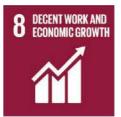
































**AMC SYSTEM SDN BHD** is committed towards Sustainable Development Goals from UN by sourcing products that are endorsed with energy-efficient and environmentally responsible.



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**SCAN TO CONTACT US!**