

# XTS Technologies

## **Product Overview**

### IAI ROBOT LINEUP

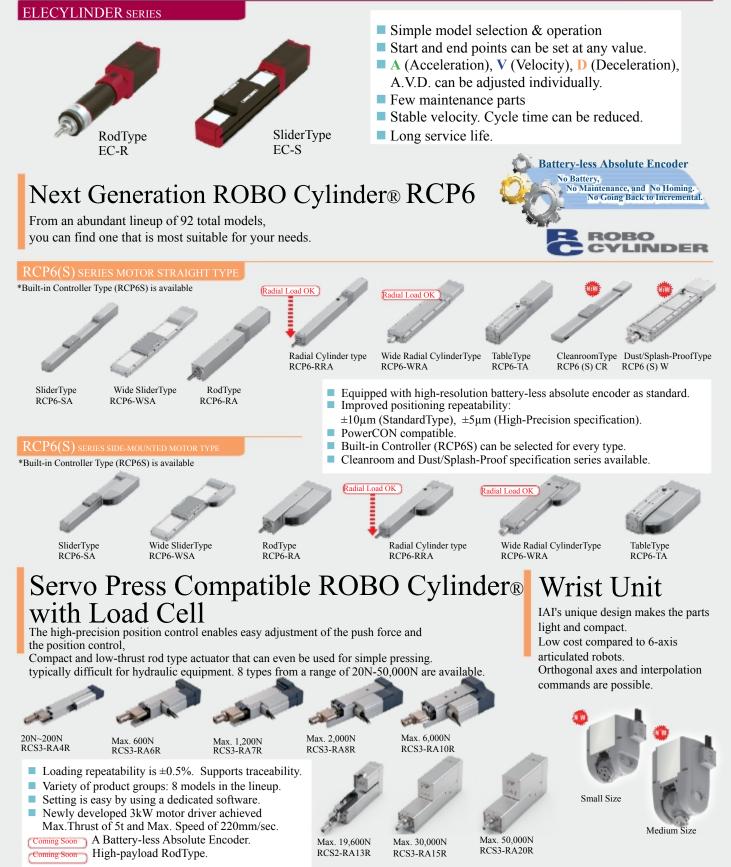
Visit

#### www.IntelligentActuator.com

# Advancing into a NEW ERA switching Air to ELECYLINDER

Designed to move between two points just like Air Cylinder Speed / Acceleration / Deceleration can be set in just 5 minutes.







Compatible with DeviceNet, CC-Link, and other field networks.

## Mini ROBO Cylinder®

Next-generation electric actuators, the solution for space constrained applications



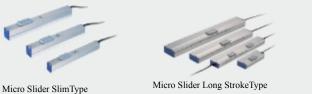


**RCD** MINI CYLINDER



Ultra-compactType

- The smallest in the industry with a cross-section size of 12mm.
- The built-in encoder allows position control.



Micro Cylinder SlimType

- By using linear motors, these actuators operate at a g-force (in speeds and acceleration force) of up to 2G.
- The slider and rod types are available. The slider-type has six different kinds based on size and stroke.
- The multi-slider type, which has two independently-working sliders installed on one axis, is available.



#### LSA Series Linear Servo Actuators A full lineup of linear servo actuators to meet your needs Maximum payload of up to 120kg and maximum strokes of up to 4m LargeType ShaftType SmallType MediumType FlatType LSA-W LSA-S LSA-H LSA-L LSA-N High-speed and high-precision are kept even at long strokes. Supports high accelerations of up to 3G and maximum speeds up to 2.5m/s. Multi-slider type and synchronized operation are also available. IXP Series PowerCON SCARA® Robots **Battery-less Absolute Encoder** No Battery, No Maintenance, No Homing, and All models come standard with battery-less absolute encoders No Price Increase. No Going Back to Incremental. POWERCON SCARA ROBOT ARM LENGTH 180/250/350/450/550/650mm All models come standard with battery-less absolute encoders. The encoder resolution has increased to 10 times that of the existing IXP. The cost of IXP is around half of the traditional models. Lighter than conventional models. The regular cycle time is about 60% shorter than conventional Cartesian robots. Added 3-axis specification, 4-axis with gripper specification. StandardType GripperType Splash-proof/ CleanroomType Equipped with optimal speed and acceleration/deceleration settings. Dust-proofType

## IX Series SCARA Robots

The IX SCARA robots feature high performance and functionality

#### SCARA ROBOT ARM LENGTH 250/350/500/600/700/800mn





Standard CompactType

Standard MediumType



Standard LargeType



WallType





CeilingType

- Achieves high speeds, payload and precision.
- Easy programming makes these actuators much more user-friendly.
- It supports a wide variety of arm lengths, ranging from 250mm to 800mm.

#### ULTRA-COMPACT SCARA ARM LENGTH 120/150/180m



- The compact size of the robot allows you to reduce the size of your production equipment.
- The rated payload of 0.2kg can be increased up to a maximum of 1kg.
- High-speed performance with a cycle time of 0.35sec.

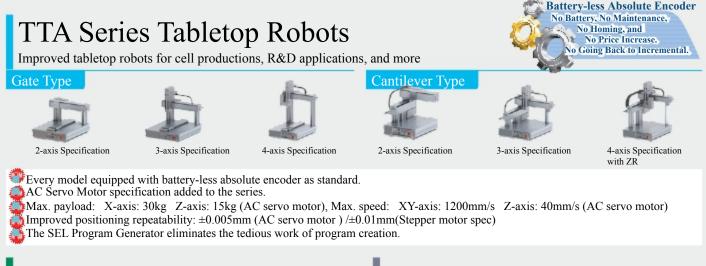
#### SUPER-LARGE SCARA ROBOT ARM LENGTH 1,000/1,200m



- Achieves high-speed, payload and precision.
- Each arm length type can carry up to 50kg.
  All high-speed performance with a
  - standard cycle time of 0.66sec.







CT4 High-speed Cartesian Robots

High-speed cartesian robot that shortens assembly / inspection cycle times by operating at high speed, ensuring high rigidity, and demonstrating excellent straight moving performance.

- Maximum speed 2.5m/s, maximum acceleration /deceleration 3.2G.
  - Acceleration is significantly improved (conventionally 0.3~ 1.0G) and standard cycle time is reduced by 32% compared to conventional cartesian robots.
  - Rotational axis specification and pick & rotate specification are added to the series.

#### Cartesian Robots

#### DDW, DDA Direct Drive Motors

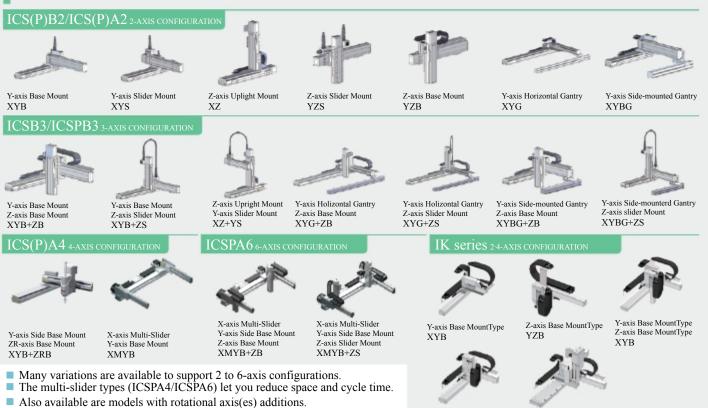
High speed/payload/precision, easy control, and compact: A direct drive motor that achieved high cost-performance.



Positioning repeatability±0.00103 degree (±3.7s), Index accuracy

- ±0.00833 degree (±30s) with SCON-CB & High resolution type.(DDA) Maximum speed of 1,800°/s and acceleration/deceleration of 6.0G
- can make faster positioning time possible.(DDA)

Pre-configured cartesian robots that reduce installation and setup times



- Any models can be customized to meet your specific needs.
- High resolution Battery-less Absolute Encoder is available.

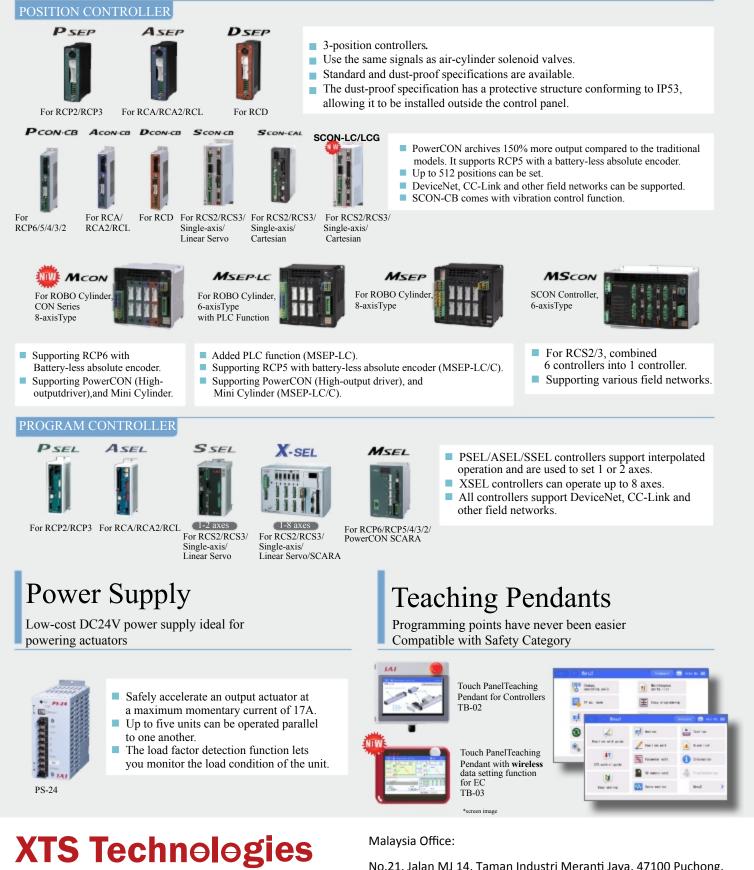
Y-axis Base MountType Z-axis Base MountType + Z-axis Table Type XYB + ZR unit

Y-axis Base MountType ZR (Vertical/Rotation)Type

## Controllers

A wide variety of operational patterns to fit your specific needs





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sdn bhd

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