

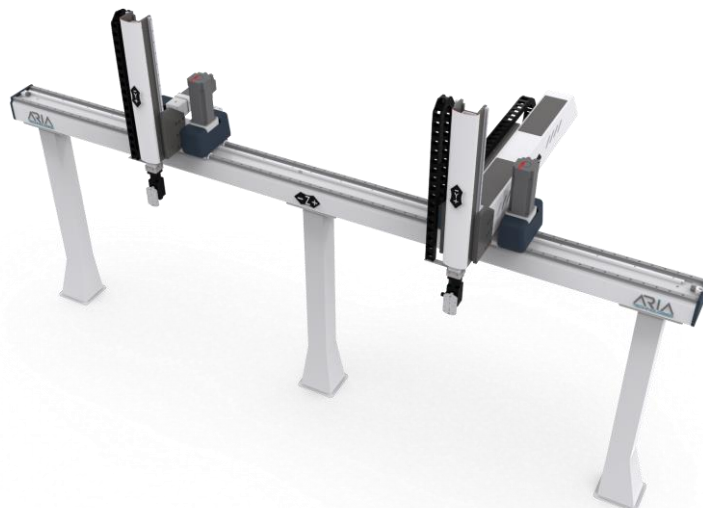
The three-axis linear robot has Cartesian axes which are operated via the robot controller. Our different robotic solutions cater to the digitalization of the manufacturing process, providing our customers with the ability to increase productivity, Lower manufacturing costs, enhance flexibility and repurposing,

Improve precision and accuracy, ensure highest quality standards and consistency, and increase work safety.

A 4<sup>th</sup> & 5<sup>th</sup> axis can be used by ARIA linear robot by adding pneumatic system or servo motor on the EOAT for tilting vertical or rotating horizontal.

### MAIN APPLICATIONS

- Handling "Pick & Place" automation.
- Palletizing & Depalletizing automation.
- Sorting & Stacking applications.
- Multiple parts orientations in space.
- Painting & Welding applications.
- Loading and Unloading applications.
- Packaging Automation.
- Inspection Automation.



**TECHNICAL SPECIFICATIONS**

Model		ARIA 200	ARIA 220	ARIA 340
Number of Axes		3 (4&5 Optional)		
Repeatability	mm	±0.05		
<b>Main Horizontal Arm (X)</b>				
Stroke	mm	2,000	2,200	3,400
Speed	m/s	2	2	2
<b>Ejector Stroke (Y)</b>				
Stroke	mm	700	850	1,200
Speed	m/s	1.5	1.5	1.5
<b>Vertical Arm (Z)</b>				
		Single / Double		
Stroke	mm	1,200	1,500	1,800
(Telescopic) Speed	m/s	2.0	2.0	2.0
Maximum load (Part + EOAT)	Kg	10	40	60
Automation Control Unit		BECKHOFF Germany / MITSUBISHI Japan		
Servo Motors		MITSUBISHI Japan / BECKHOFF Germany / HIWIN Taiwan		
Pneumatic System		FESTO Germany		
Rated Voltage	Volt	380		
Rated Power	kw	5.5	13	15
Frequency	Hz	50 / 60		
All Driven		Servomotors		
Floor-standing control cabinet		-	√	√
Weight	Kg	300	400	500
Environment	°C	5 °C ~ 45 °C		
Standard Regulations		ISO 10218-1 / ISO 13849-1 / IEC 60204-1		
<b>OPTIONS</b>				
Steel Mounting Base		√	√	√
Vacuum and/or pressure circuit		√	√	√
Pneumatic vertical tilting (0-90°)		√	√	√
Automatic Lubrication Sys.		√	√	√
Wireless Industrial tablet		√	√	√
EOAT Design & Manufacturing		√	√	√

The technical specifications and performances are given for information purposes only and for each standard robot configuration. As our products evolve constantly, certain illustrations and information may be modified without prior notice.

