

Introducing the Cost-effective Pulse Motor Type IXP to the IX Series of SCARA Robots

All models come standard with battery-less absolute encoders.



1 More Affordable Due to Pulse Motors

By adopting pulse motors...

...the IXP costs around **1/2** a conventional model.

* Compared against an IAI robot based on an arm length of 350mm.

The IXP achieves a payload equivalent to that of a conventional model by adopting high-output drivers.

2 All Models Come Standard with Battery-less Absolute Encoders

All IXP models come standard with battery-less absolute encoders that does not require batteries. Since battery replacement is no longer necessary, maintenance man-hours are reduced.

Advantages of Battery-less Absolute Encoders

- The machine will not stop due to battery errors (low voltage, etc.)
- No cost of battery replacement
- No need for absolute reset or other physical tasks associated with battery replacement

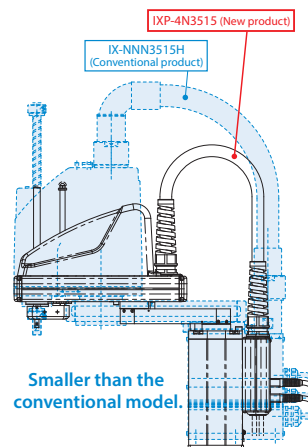
3 Lighter than a Conventional Model

The robot weighs approx. **30% less.**

(Compared to: IX-NNN3515)

The lightweight robot can be easily assembled into your equipment.

Model	IX-NNN3515H (Conventional product)	IXP-4N3515 (New product)
Mass	18kg	-5kg 13kg



4 Added 3-axis Specification and 4-axis* Gripper Specification

The 3-axis specification has no rotational axis for greater allowable inertial load moment. It can be combined with a dedicated gripper to constitute a transfer robot with ease.

* The gripper type has four axes including three SCARA robot axes and one gripper axis.

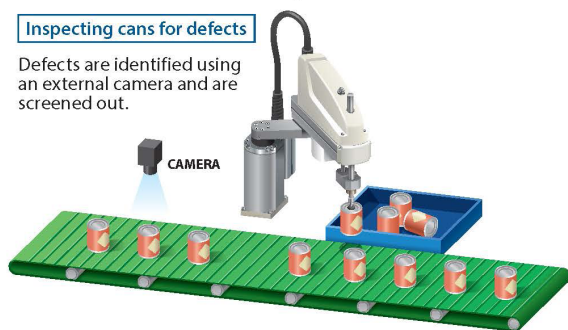


Use Examples of the 3-axis Specification

- Work processes that require only three axes
 - ➔ Pickup and placement of circular parts, non-directional transfer, etc.

Inspecting cans for defects









Defects are identified using an external camera and are screened out.



- Connecting an actuator as the fourth axis
A ROBO Cylinder of a rotary type, rod type, slider type, etc., can be connected to a SCARA robot 3-axis specification as its fourth axis.



5 Product Lineup

Arm length		350mm		450mm	
SCARA type		3 axes	4 axes (with rotational axis)	3 axes	4 axes (with rotational axis)
Gripper	None	 IXP-3N3515 Controller: MSEL, 3-axis specification	 IXP-4N3515 Controller: MSEL, 4-axis specification	 IXP-3N4515 Controller: MSEL, 3-axis specification	 IXP-4N4515 Controller: MSEL, 4-axis specification
	Medium gripper type RCP4-GRSML	 IXP-3N3515GM Controller: MSEL, 4-axis specification	—	 IXP-3N4515GM Controller: MSEL, 4-axis specification	—
	Large gripper type RCP4-GRSLL	 IXP-3N3510GL Controller: MSEL, 4-axis specification	—	 IXP-3N4510GL Controller: MSEL, 4-axis specification	—

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