



# SR-56 ROBOT MODULE

*The patriarch of robotic product manipulation*



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The SR-56 is a direct descendant of the traditional R-50 Robot, the patriarch of robotic product manipulation introduced by IASE in 1986.

The SR-56 combines the dependability of the R-50 with an innovative suspended mount, producing a smaller, cleaner footprint that gives you a competitive edge. Like the R-50 before it, the SR-56 is extremely versatile, performing tasks such as carton forming, product loading, product manipulation, and carton closing.

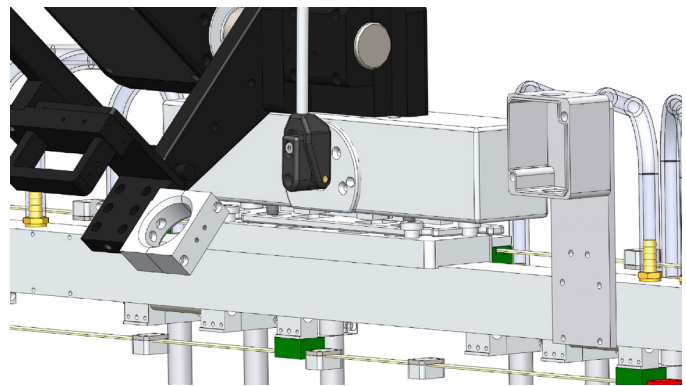
The mechanical arms and frame of the SR-56 are machined from aircraft-grade aluminum and anodized to customer preference. Two degrees of freedom is achieved by using closed-loop, brushless servomotors and precision planetary reducers, straight or right-angled depending on the application. All bearings in the SR-56 are sealed, lifetime lubricated and fully tested for accuracy.

## Technical Specifications

- » Accuracy and repeatability to within .015" (.4 mm)
- » 56" horizontal by 20" vertical movement envelope
- » 2.1 G acceleration
- » Top speed of 118 in/sec.
- » Maximum load capacity of 300 lbs.

## Focus on Efficiency

Our latest revisions to the SR-56 base include the addition of toolless quick-release mechanisms, enabling configuration changes in a matter of minutes. Regardless of application, this advancement helps ensure that your tooling changes happen smoothly and quickly. With no bolts to fasten and a quick disconnect on the air hose, changeover requires only releasing the tooling lock, disconnecting the air hose, loading the new tooling in place, re-engaging the tooling lock and connecting the air hose.



SR-56 quick-release mechanism shown with the tooling lock disengaged and the hand in load / unload position. Inserting the hand and turning the tooling lock will raise and secure the hand.