

# MOTOMAN NEWS RELEASE

Photo filename: YS450.jpg

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## MOTOMAN YS-SERIES ROBOTS: IDEAL FOR ASSEMBLY, PACKAGING, KITTING AND LIFE SCIENCE APPLICATIONS

Dayton, Ohio — Motoman Inc.'s YS-series (Yaskawa SCARA) robots are high-speed, high-precision models that are ideal for small-payload, vertical motion mechanical assembly; case packing; packaging; kitting; and life science applications, such as test tube handling for research/discovery. These compact, economical four-axis SCARA (Selective Compliance Assembly Robot Arm) robots share the same programming language (INFORM III) and controller as other Motoman robots with six or more axes. They can easily work along side larger Motoman models, and offer the same robust capabilities -- including an extensive array of hardware and software options, external axis capabilities, vision system integration, etc. -- with a smaller footprint.

The YS450 and YS650 models feature a T-axis repeatability of  $\pm 0.015$  mm (0.0006") and the YSH850L features a T-axis repeatability of  $\pm 0.025$  mm (0.0009"). They are available with a range of payloads, reaches and Z-axis strokes, and speeds to suit a wide variety of application needs:

	YS450	YS650	YS650L	YSH850L
Payload (Rated)	5 kg (11.0 lb)	5 kg (11.0 lb)	5 kg (11.0 lb)	20 kg (44.1 lb)
Reach	450 mm (17.7")	650 mm (25.6")	650 mm (25.6")	850 mm (33.5")
Z-Stroke	170 mm (6.7")	170 mm (6.7")	320 mm (12.6")	340 mm (13.39")
Cycle Time	0.409 seconds	0.477 seconds	0.477 seconds	0.460 seconds
Moment of Inertia	0.120 Kg*m2	0.120 Kg*m2	0.120 Kg*m2	0.450 Kg*m2

All YS-series robots are controlled by the more compact, "mid-size" Motoman NXM100 robot controller that delivers all of the same features of the full-sized NX100 controller in a much smaller "mid-size" cabinet that easily fits underneath conveyors. NXM100 control cabinets also can be stacked to provide floorspace savings.

For more information on the new YS-series robots or on other Motoman products and services, visit the corporate website at [www.motoman.com](http://www.motoman.com), call 937.847.6200 or write to Motoman Inc., 805 Liberty Lane, West Carrollton, Ohio, 45449 USA.

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