

# MOTOMAN NEWS RELEASE

Photo filename: SIA50D.jpg

FOR IMMEDIATE RELEASE  
MARCH 2010

CONTACT: Sally Fairchild  
937.847.3202

## **NEW!** SIA5D AND SIA50D ROBOT MODELS ADDED TO MOTOMAN'S SIA-SERIES LINEUP PROVIDE LEAN, POWERFUL 7-AXIS ARMS FOR NEW ERA OF AUTOMATION



Dayton, Ohio — Motoman has added two new models, the SIA5D and the SIA50D, to its SIA-series (slim, individual arm) robot line. Lean and powerful, these robots feature a revolutionary actuator-based 7-axis design with best-in-class wrist performance characteristics that enable amazing freedom of movement, coupled with the ability to maneuver in very tight areas. These agile, versatile robots open up a wide range of industrial applications to robots and are ideal for assembly, injection molding, machine tending and a host of other applications.

Short axis lengths and extreme motion flexibility allow these slim manipulators to be positioned out of the normal working area (i.e. floor-, ceiling-, wall-, incline- or machine-mounted) without limiting the motion range of any axis. Mounting the SIA-series robots between two machine tools provides open access to the machines for fixture maintenance, adjustment or testing. Additionally, the operator has clear access to the machine operator station for entering offsets, maintenance or other operations.

	<b>SIA5D</b>	<b>SIA10D</b>	<b>SIA20D</b>	<b>SIA50D</b>
Axes	7	7	7	7
Payload	5 kg (11 lb)	10 kg (22.1 lb)	20 kg (44.1 lb)	50 kg (110.3 lb)
Horizontal Reach	559 mm (22")	720 mm (28.3")	910 mm (35.8")	1,630 mm (64.2")
Vertical Reach	1,007 mm (39.6")	1,203 mm (47.4")	1,498 mm (59")	2,597 mm (102.2")
Repeatability	± 0.05 mm (0.002")	± 0.1 mm (0.004")	± 0.1 mm (0.004")	± 0.1 mm (0.004")
Width	220 mm (8.7")	264 mm (10.4")	330 mm (13")	493 mm (19.4")

SIA-series robots are controlled by the next-generation Motoman DX100 robot and system-level controller that uses patented multiple robot control technology to easily handle multiple tasks including control of up to eight robots (72 axes), as well as I/O devices, and communication protocols. Featuring a robust PC hardware architecture, the DX100 controller uses a Windows<sup>®</sup> CE programming pendant with color touch screen.

For more information on Motoman products and services, visit the corporate web site at [www.motoman.com](http://www.motoman.com) or call 937.847.6200.

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