NEWS RELEASE

Heartful Technology
Yushin

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Yushin Releases "SXC-HSY" Series of High-Speed Side-Entry Take-out Robots

● Yushin Precision Equipment ●

Yushin Precision Equipment's "SXC" series of side-entry take-out robots are built for high speed using the latest design optimization engineering, and Yushin now introduces a new high-speed "SXC-HSY" variant with even faster performance. Two models of SXC-HSY robots went on sale yesterday, September 16th.

Yushin Precision Equipment (YPE) is a dedicated supplier of take-out robots for injection molding machines (based in Kyoto, Japan; President Mayumi Kotani; 1.986 billion yen capital).

The SXC-HSY robots join the lineup of "SXC" (conventional) and "SXC-HS" (high-speed) models as successors to Yushin's original "SXA" line of high-performance side-entry robots for micro-molding. In response to customer demands for faster molding cycles, both models – the SXC-10II-HSY (for molding-machines of 5-15 tons clamp force) and SXC-40II-HSY (15-40 ton machines) – build on the capabilities of their HS (high-speed) counterparts for even faster performance, and earn the new HSY (super high-speed) designation.

Features of New Models

SXC-HSY robots achieve faster speeds via larger servo motors and more robust construction. Also, greatly improved vibration damping shortens overall cycle time.

1. High Speed
   With larger motors and sturdier construction, SXC-HSY robots are comparatively 63% faster than SXA models and 9% faster than SXC-HS models.
2. Anti-Vibration Technology
   Refinements using Design Optimization and anti-vibration controls reduced vibration amplitude by 68% compared to SXC-HS robot, enabling shorter vibration-delay timers, faster overall molding cycle times, and smoother take-out, handling, and release of micro-molded parts.

List prices for the new SXC-HSY robots are JPY 2,900,000 for the "SXC-10II-HSY" and JPY 3,100,000 for the "SXC-40II-HSY" robot. Yushin Precision

forecasts selling 100 units of the SCX-HSY models per year.

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Notes

* *Design Optimization*

Design Optimization is what Yushin calls the practice of applying CAE (Computer-Aided Engineering) to seek the most theoretically optimal form for a robot based on its mechanism and motions. Engineers use this approach to design lighter weight and higher reliability into car parts, aircraft, and other demanding applications.