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SW North America Announces New BA space5 Large-Format Machining Center at IMTS 2026

New platform brings SW productivity, automation and digital manufacturing capabilities to large, complex components

CHICAGO (September 15, 2026) – SW North America, a leading supplier of horizontal multi- and single-spindle CNC machining centers, automation, and complete system solutions, today announced the new BA space5-12H, a large-format machining center developed to bring greater productivity and flexibility to the manufacturing of large, complex components. The new platform was unveiled during a press conference on the floor at IMTS 2026 in Chicago.

The BA space5-12H represents an expansion of SW's machining portfolio into a new class of component size and application. Built around a large work envelope, powerful two-axis machining head, and automation-ready architecture, the platform is designed for manufacturers producing demanding components that require size, precision, and production efficiency. SW North America estimates that the new platform can deliver up to 30% greater productivity compared with conventional machining approaches for targeted applications.

"The BA space5 marks a new chapter for SW Machines—bringing our proven expertise in high-productivity machining into a new generation of aerospace manufacturing. Designed around the demanding requirements of large structural components, 5-axis precision, speed, and flexibility, the space5 is more than a new machine—it is a new approach to how SW serves the aerospace market."

The BA space5-12H combines a large work envelope with the power and flexibility needed for demanding applications, including the following specifications:

- 4,800 x 1,800 x 875 mm work area
- 5,000 x 1,800 mm pallet size supporting loads up to 4,000 kg per pallet
- Symmetrical two-axis fork head with direct-drive torque technology
- A/C-axis configuration with ±120 degrees on the A axis and 360 degrees on the C axis
- HSK-A63 milling spindle with speeds up to 30,000 rpm and 120 kW of power
- Monoblock machine bed and gantry design developed for large-component machining

The BA space5-12H was developed with automation as a core part of the manufacturing concept. Its single-load configuration can be incorporated into larger automated manufacturing

lines, giving manufacturers greater flexibility to scale production and make efficient use of valuable production capacity.

Aerospace Among the Initial Applications for the BA space5

One of the initial markets for the BA space5-12H is aerospace manufacturing, where large components, complex geometries, and difficult-to-machine materials create a natural application for the platform. Initial aerospace applications include:

- Hinges and structural frames
- Covers and titanium window frames
- Seat structures and interior fittings

For aerospace manufacturers, the combination of the machine's large work area and two-axis head creates the flexibility needed to produce complex structural and interior components. Its automation capabilities can also help manufacturers increase output and make better use of skilled production teams. Digital Twin technology adds another advantage, allowing for processes to be simulated and validated digitally before manufacturers commit materials or machining time to production.

SW expects the platform's capabilities to create opportunities well beyond aerospace as manufacturers explore new approaches to producing large and increasingly complex components.

Attendees can meet with SW North America's machining and automation experts at IMTS Booth #338250 to learn more about the new platform, discuss potential applications, and explore how the BA space5-12H could fit into their manufacturing operations.

For more information about SW North America, visit https://sw-machines.com/us/.

About SW North America

SW North America is a subsidiary of Schwäbische Werkzeugmaschinen GmbH, a leading international manufacturer of smart manufacturing solutions. With its North American headquarters in Michigan, SW is the world market leader in multi-spindle CNC machining centers for cutting a variety of materials in the automotive, electromobility, agricultural and construction machinery, medical technology, and aerospace industries.

SW currently has more than 1,700 employees across its global headquarters in Schramberg-Waldmössingen, Germany, and locations in China, France, Hungary, Mexico, Poland, and the United States.

Learn more about SW North America at https://sw-machines.com/us/.

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