

DAIKIN AND DUPLOMATIC MS AT GRINDING HUB 2026: ADVANCED MOTION CONTROL AND COOLING TECHNOLOGIES FOR HIGH-PRECISION MACHINE TOOLS

Duplomatic MS, part of Daikin Industries, will present advanced motion control technologies for high-precision machine tools at Grinding Hub 2026, taking place in Stuttgart (Germany) from May 5 to 8, 2026 (Hall 7 – Stand 7D56).

Parabiago (Milan, Italy), April 22nd, 2026 – At Grinding Hub 2026 Duplomatic MS will showcase a portfolio of motion control technologies designed to improve machining accuracy, energy efficiency and system reliability in modern machine tools.

Duplomatic MS will participate in Grinding Hub 2026 together with Daikin Fluid Technology GmbH (DFTG), a technology company within the Daikin Group specializing in industrial process cooling systems and formerly known under the DELTATHERM® brand. The joint presence reflects the Daikin Group's "Move Modern" vision, aimed at supporting the evolution of industrial machinery towards higher efficiency, digital integration and reduced environmental impact.

Grinding applications require extremely stable thermal conditions and highly precise motion control. For this reason, the integration of motion technologies with advanced cooling systems plays a key role in ensuring consistent machining quality and long-term machine reliability.

Highlights on display

Ecorich Hybrid Hydraulic Unit (EHU)

Hybrid hydraulic technology combining inverter motor control and hydraulic power to significantly reduce energy consumption compared with conventional hydraulic units.

Super Unit Hybrid Hydraulic Power Unit (SUH)

Integrated servo-controlled hydraulic system combining pump, motor and cooling functions in a compact architecture designed for high dynamic performance and energy efficiency.

AKL Inverter-Controlled Chiller

Industrial cooling solution for machine tools ensuring stable thermal conditions and improved machining performance while complying with low-GWP refrigerant regulations.

Proportional and servo valves with digital connectivity

Advanced valve technologies enabling precise motion control and seamless integration with modern automation platforms.

ECO3 Electric Cylinder

ECO3 – a smart electric cylinder designed as a stand-alone, intelligent solution for positioning and industrial automation applications. ECO3 integrates motor, control electronics, positioning logic and encoder on board, reducing system architecture complexity and facilitating integration into modern automation environments.

Visitors will discover solutions designed to optimize thermal stability and energy efficiency in high-precision machine tools, supporting grinding processes where temperature control is critical for dimensional accuracy and long-term reliability.

Visit Duplomatic MS – Daikin-DFTG

📍 Hall 7 – Stand 7D56

Duplomatic MS Spa, a Daikin Group company – headquartered in Parabiago (Milan), with revenues of €142 million and more than 700 employees as of 31 December 2025 – designs and manufactures hydraulic and electromechanical components and systems for motion control across multiple application sectors. The Group operates on the market through the following brands: Duplomatic Motion Solutions for industrial applications, Hydreco Hydraulics for mobile applications, and Continental Hydraulics for North America. The Group has production facilities in the USA, Japan, China, India, Australia, Italy, Germany and the United Kingdom, as well as sales offices in several regions worldwide. www.duplomaticmotionsolutions.com
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