

DAIKIN FLUID TECHNOLOGY GmbH



**DIPLOMATIC**  
MOTION SOLUTIONS

a member of **DAIKIN** group

**GRINDING**  
**HUB**

Brings solutions  
to the surface.

Stuttgart, Germany  
05 - 08 / 05 / 2026



**Press Kit**  
**2026**

**Stand 7D56**  
**Hall 07**



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

Diplomatic 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 22<sup>nd</sup>, 2026* – At Grinding Hub 2026 Diplomatic MS will showcase a portfolio of motion control technologies designed to improve machining accuracy, energy efficiency and system reliability in modern machine tools.

Diplomatic 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 Diplomatic MS – Daikin-DFTG

📍 Hall 7 – Stand 7D56

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**Diplomatic 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: Diplomatic 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.diploomaticmotionsolutions.com](http://www.diploomaticmotionsolutions.com)

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## DAIKIN UND DIPLOMATIC MS AUF DER GRINDINGHUB 2026: MOTION-CONTROL- UND KÜHLTECHNOLOGIEN FÜR HOCHPRÄZISE WERKZEUGMASCHINEN

Diplomatic MS, ein Unternehmen der Daikin Industries Gruppe, präsentiert auf der Grinding Hub 2026 fortschrittliche Motion-Control-Lösungen für hochpräzise Werkzeugmaschinen. Die Messe findet vom 5. bis 8. Mai 2026 in Stuttgart statt – Halle 7, Stand 7D56.

Parabiago (Mailand, Italien), 22 April 2026 – Auf der GrindingHub 2026 zeigt Diplomatic MS ein Portfolio von Motion-Control-Technologien, die darauf ausgelegt sind, Bearbeitungsgenauigkeit, Energieeffizienz und Systemzuverlässigkeit moderner Werkzeugmaschinen zu verbessern.

Diplomatic Motion Solutions nimmt an der Messe gemeinsam mit Daikin Fluid Technology GmbH (DFTG) teil, einem Technologieunternehmen der Daikin Gruppe, das sich auf industrielle Prozesskühlsysteme spezialisiert hat und zuvor unter der Marke DELTATHERM® bekannt war. Die gemeinsame Präsenz am Messestand steht im Einklang mit der strategischen Vision „Move Modern“ der Daikin Gruppe. Ziel dieser Strategie ist es, die Weiterentwicklung industrieller Maschinen in Richtung höherer Energieeffizienz, digitaler Integration und geringerer Umweltbelastung zu unterstützen.

Gerade bei Schleifprozessen sind thermische Stabilität und hochpräzise Bewegungssteuerung entscheidend für eine gleichbleibend hohe Bearbeitungsqualität. Die Kombination aus Motion-Control-Technologien und leistungsfähigen Kühlsystemen spielt daher eine zentrale Rolle, um Prozessstabilität, Maßgenauigkeit und langfristige Maschinenzuverlässigkeit sicherzustellen.

### Technologien im Fokus

#### Ecorich Hybrid Hydraulic Unit (EHU)

Hybride Hydrauliktechnologie, die Inverter-Motorsteuerung mit hydraulischer Leistung kombiniert und dadurch den Energieverbrauch im Vergleich zu konventionellen Hydraulikaggregaten deutlich reduziert.

#### Super Unit Hybrid Hydraulic Power Unit (SUH)

Servo-geregeltes Hydrauliksystem mit integrierter Pumpe, Motor und Kühlfunktion in einer kompakten Bauweise für hohe Dynamik und Energieeffizienz.

#### AKL Inverter-Controlled Chiller

Industrielles Kühlsystem für Werkzeugmaschinen, das stabile thermische Bedingungen gewährleistet und gleichzeitig die Anforderungen moderner Niedrig-GWP-Kältemittel erfüllt.

#### Proportional- und Servoventile mit digitaler Konnektivität

Ventiltechnologien für hochpräzise Bewegungssteuerung und eine nahtlose Integration in moderne Automatisierungsplattformen.

#### ECO3 Electric Cylinder

Der ECO3 ist ein intelligenter elektrischer Zylinder für Positionier- und Automatisierungsanwendungen. Motor, Steuerungselektronik, Positionslogik und Encoder sind integriert, wodurch die Systemarchitektur vereinfacht und die Integration in moderne Automatisierungsumgebungen erleichtert wird.

Besucher können Lösungen kennenlernen, die darauf ausgelegt sind, thermische Stabilität und Energieeffizienz in hochpräzisen Werkzeugmaschinen zu optimieren. Gerade bei Schleifanwendungen ist eine stabile Temperaturführung entscheidend für Maßhaltigkeit und langfristige Prozesssicherheit.

Diplomatic MS – Daikin-DFTG

📍 Halle 7 – Stand 7D56

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Diplomatic MS Spa, ein Unternehmen der Daikin Group mit Hauptsitz in Parabiago (Mailand), erzielte zum 31.12.2025 einen Umsatz von 142 Millionen Euro und beschäftigt mehr als 700 Mitarbeitende. Das Unternehmen entwickelt und produziert hydraulische und elektromechanische Komponenten und Systeme zur Bewegungssteuerung für unterschiedliche Anwendungsbereiche. Die Gruppe ist mit den Marken Diplomatic Motion Solutions (industrielle Anwendungen), Hydreco Hydraulics (mobile Anwendungen) und Continental Hydraulics (Nordamerika) am Markt vertreten. Produktionsstandorte befinden sich in den USA, Japan, China, Indien, Australien, Italien, Deutschland und Großbritannien, ergänzt durch Vertriebsbüros in mehreren Regionen weltweit. [www.diploomaticmotionsolutions.com](http://www.diploomaticmotionsolutions.com)

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## DAIKIN E DIPLOMATIC MS A GRINDINGHUB 2026: TECNOLOGIE AVANZATE DI MOTION CONTROL E RAFFREDDAMENTO PER MACCHINE UTENSILI DI ALTA PRECISIONE

Diplomatic MS, parte del gruppo Daikin Industries, presenterà a Grinding Hub 2026 soluzioni avanzate per il controllo del movimento dedicate alle macchine utensili di alta precisione. La fiera si terrà a Stoccarda (Germania) dal 5 all'8 maggio 2026 – Padiglione 7, Stand 7D56.

*Parabiago (MI), 22 aprile, 2026* – A Grinding Hub 2026 Diplomatic MS presenterà soluzioni avanzate di motion control sviluppate per migliorare precisione di lavorazione, efficienza energetica e affidabilità delle moderne macchine utensili.

Diplomatic Motion Solutions parteciperà a GrindingHub 2026 insieme a Daikin Fluid Technology GmbH (DFTG), società tecnologica del gruppo Daikin specializzata nei sistemi industriali di raffreddamento di processo e già nota sul mercato con il marchio DELTATHERM®. La partecipazione allo stand insieme a DFTG esprime concretamente la strategia "Move Modern" del gruppo Daikin, orientata allo sviluppo di macchine industriali sempre più efficienti, integrate digitalmente e sostenibili.

Nelle applicazioni di rettifica la stabilità termica e la precisione del controllo del movimento sono fattori determinanti per garantire qualità costante delle lavorazioni. L'integrazione tra tecnologie di motion control e sistemi avanzati di raffreddamento consente di mantenere condizioni operative stabili, migliorando precisione dimensionale, affidabilità delle macchine e continuità del processo produttivo.

### Tecnologie in evidenza allo stand Ecorich Hybrid Hydraulic Unit (EHU)

Tecnologia oleodinamica ibrida che combina il controllo di motori inverter con la potenza idraulica, consentendo una significativa riduzione dei consumi energetici rispetto alle unità idrauliche tradizionali.

### Super Unit Hybrid Hydraulic Power Unit (SUH)

Sistema oleodinamico servo-controllato che integra pompa, motore e raffreddamento in un'architettura compatta progettata per garantire elevate prestazioni dinamiche ed efficienza energetica.

### AKL Chiller

Sistema di raffreddamento industriale per macchine utensili che assicura stabilità termica e migliori prestazioni di lavorazione, nel rispetto delle normative sui refrigeranti a basso GWP.

### Valvole proporzionali e servo con connettività digitale

Tecnologie avanzate di valvole che consentono un controllo del movimento estremamente preciso e una perfetta integrazione con le moderne piattaforme di automazione.

### Cilindro elettrico ECO3

ECO3 è un cilindro elettrico intelligente progettato come soluzione stand-alone per applicazioni di posizionamento e automazione industriale. Integra motore, elettronica di controllo, logica di posizionamento ed encoder direttamente a bordo, semplificando l'architettura dei sistemi e facilitando l'integrazione negli ambienti di automazione più evoluti.

I visitatori potranno scoprire soluzioni progettate per ottimizzare stabilità termica ed efficienza energetica nelle macchine utensili di alta precisione, supportando i processi di rettifica in cui il controllo della temperatura è fondamentale per garantire accuratezza dimensionale e affidabilità nel lungo periodo.

### Diplomatic MS – Daikin-DFTG

📍 Padiglione 7 – Stand 7D56

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Diplomatic MS Spa, società del gruppo Daikin – Headquarter a Parabiago (Milano), 142 milioni di euro di fatturato e oltre 700 dipendenti al 31.12.2025 – progetta e produce componenti e sistemi oleodinamici ed elettromeccanici per il controllo del movimento in vari settori applicativi. Il Gruppo è presente sul mercato attraverso i seguenti marchi: Diplomatic Motion Solutions per applicazioni industriali, Hydreco Hydraulics per applicazioni mobili e Continental Hydraulics per il Nord America. Il Gruppo ha stabilimenti produttivi in USA, Giappone, Cina, India, Australia, Italia, Germania, Gran Bretagna e uffici commerciali in diverse aree del mondo. [www.diplomaticmotionsolutions.com](http://www.diplomaticmotionsolutions.com)  
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## PRODUCT INFORMATION

### DELTA THERM® LT/RKV SERIES INDUSTRIAL CHILLER

#### Features:

DELTA THERM® LT/RKV Series industrial chiller features an integrated structure combining the cooling circuit, water circuit, and electronic control system. While standard models are intended for indoor installation, optional configurations allow for outdoor use as well. The cooling medium can be water, water with antifreeze, oil, or deionized water. The standard cooling method is air-cooled, but water-cooled and split-type systems are also available.

#### High Precision, durable and environmentally friendly:

Temperature control is managed by a microprocessor-based digital controller, enabling high-precision regulation ( $\pm 0.2$  K). The water circuit is constructed with stainless steel piping and an insulated tank, ensuring durability and safety.

#### Suitable for a wide range of applications:

A wide range of optional features is available to suit various applications, including low-noise design, reinforced pumps, automatic water replenishment, and bus system connectivity. This series offers a reliable and flexible cooling solution for diverse industrial fields.



LT SERIES



RKV SERIES

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#### Performances:

•LT Mini:	1.0 kW
•LTK 1.4 - 3.4	1.8 - 3.2 kW
•LT 4.5 - 6.5 LC	4.2 - 7.5 kW
•RKV 1.5 - 24.5	9.3 - 690.0 kW

#### Operating Conditions:

- Water Temp Range: +8 to +25 °C (up to 40 °C with options)
- Ambient Temp Range: +8 to +42 °C

#### Available Options:

- Outdoor installation, radial fans, water-cooled condenser
- Low-noise design, heat recovery, multi-circuit systems
- Flow monitoring, reinforced pumps, automatic water replenishment
- Bus systems (e.g., PROFIBUS DP), external sensors, cabinet heating
- Custom voltages, colours, and mobile versions

#### Standards Compliant:

- CE-compliant Refrigeration technology designed according to DIN EN 378, part 2
- Electronics designed according to DIN EN 60204
- RoHS and REACH compliant

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## PRODUCT INFORMATION

### DELTAHERM® E SERIES IMMERSION INDUSTRIAL CHILLERS for installation in an on-site tank

#### Features:

DELTAHERM® Series E - High-efficiency immersion chillers

The high-performance air- or water-cooled immersion chillers in the E series not only boost productivity but also reduce manufacturing costs. Immersion chillers remove thermal energy from production or process systems via a cooler placed in the coolant tank. Immersion chillers are extremely efficient and ensure consistently constant coolant temperatures.

Individually configurable and expandable to customer specifications.

#### Wide range of options thanks to a flexible modular design:

Customised and application-specific configurations optimised for a wide variety of customer requirements, e.g. multi-circuit systems, high ambient temperatures, special voltages, etc.

#### Main Application: Coolant Filtration

The emulsions and oils in coolant filtration systems, which are often heavily contaminated, are precisely maintained at the correct temperature and cooled using DELTAHERM® immersion chillers.



E SERIES

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#### Performances:

- 1.7 kW – 115 kW

#### Operating Conditions:

- for Medium: Oil and Emulsion, Water
- for Medium Temp.: +10 to +40 °C
- Ambient Temp Range: +8 to +42 °C

#### Available Options:

- Flexible control and temperature precision with ACC precision control
- Water-cooled condensers
- Multi-circuit systems
- Radial fan for external air compression
- Harting plug or other connector
- Bus systems (e.g., PROFIBUS DP)
- Special immersion dimensions
- Custom voltages, colours, as a built-in version

#### Standards Compliant:

- CE-compliant - Refrigeration technology designed according to DIN EN 378, part 2
- Electronics designed according to DIN EN 60204
- RoHS and REACH compliant

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## PRODUCT INFORMATION

### DUPLOMATIC MS - DAIKIN EHU – ECORICH HYBRID HYDRAULIC POWER UNITS

#### High energy-saving performance:

- The highly efficient IPM motor surpasses IE4 class to reduce power consumption by up to 65% compared to a conventional hydraulic unit.

#### Limited oil temperature increase:

- Its design controls the oil temperature rise, minimizing thermal distortion, and extending oil life. The operating environment is improved, and the oil replacement intervals are extended due to the reduced oil degradation.

#### Space-saving design:

- A more compact and lightweight unit offers easier installation. All models offer a 9% reduced footprint. The EHU1414 model offers a 40% mass reduction compared to a conventional hybrid unit.



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The world first hybrid hydraulic system that combines hydraulics technology and Daikin motor/inverter technology.

Applications: industrial stationary equipment

It complies with regulations.

All models comply with CE standards.

#### FEATURES

- ✓ Tank: 45 l / tankless
- ✓ Max Pressure: 70 / 135 bar
- ✓ Max Flow Rate: 13,5 / 28,5 l/min

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## PRODUCT INFORMATION

### DUPLOMATIC MS - DAIKIN AKL INVERTER CONTROLLED WATER CHILLER

#### The adoption of lower GWP refrigerant (R454C) :

The low-GWP refrigerant R454C (GWP148), which satisfies the regulations of F-gases in the EU (introduced in 2027), is used.

- **Environmental aspect:**

In addition to low GWP, achieving energy saving by using Daikin original IPM motor and inverter control.

- **Safety aspect:**

Refrigerant R454C is the mildly flammable refrigerant, but it can be safely used in factory environments. DAIKIN ensures safety by obtaining the certification required for CE compliance, 'EU Pressure Equipment Directive (PED, Category 2).

\*Air transportation of pre-filled chillers is prohibited by avian law.

#### High-accuracy liquid temperature control:

Achieving high precision control with  $\pm 0.1^{\circ}\text{C}$  oil temperature over a load range from 0% (no load) to 100%.

#### Easy maintenance with Long Life Filter:

The long-life filter collects more mist, so it only needs to be replaced once a year and can be easily replaced without tools.



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#### Cooling Capacity:

With pump & tank:

1.4 / 3.2 / 4.3 / 6.9 / 12.4 kW

Without pump & tank:

1.8 / 3.5 / 4.5 / 7.1 / 12.6 kW

#### Various cooling methods:

Engineers can adapt Daikin Fluid cooling unit to match their machine preferences, including:

- Temperature synchronization (inlet, outlet, return)
- Temperature control (fixed setting, ambient, machine body)
- Nine different operation mode patterns.

These adaptable functions ensure the fluid cooling unit provides the correct temperature control for every machine.

Applications: industrial stationary equipment

It complies with regulations.  
All models comply with CE standards.

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## PRODUCT INFORMATION

### DUPLOMATIC MS – DAIKIN HIGH PRECISION SUPER UNIT - INVERTER HYDRAULIC POWER UNITS

#### High energy-saving performance:

- DAIKIN's original IPM motors with inverter technology provides about 60% increase in energy-savings compared to a conventional hydraulic unit.

#### High Accuracy:

- The servo-controlled pump adjusts the pressure and flow rate in accordance with the load. Achieving high precision control with up to 1% hysteresis and linearity over a range from low pressure (1%)/flow rate (1%) to the maximum pressure/flow rate.

#### Sustained high-pressure holding control:

- Double pump type units enable selection of combination or independent flow using a dedicated solenoid valve to achieve sustained high-pressure control, switching between a low pressure with high flow rate and a high pressure with low flow rate, as is often required for presses and other equipment.

#### Two types of operation commands:

- As an alternative to directly specifying command values for pressure and flow rate with analog voltage inputs, the operation conditions can be selected easily by using 3-bit ON/OFF digital signals that can call eight different preset pressure/flow rate patterns.

#### New Model:

- With the model change, the communication protocols are now compatible with Ethernet/IP, EtherCAT, PROFINET, and Modbus-TCP. The controller comes in a connector type lineup, and the maintenance port uses USB Type-C, improving ease of use and maintainability.



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The advanced SUPER UNIT offers several different features to achieve higher performance and energy savings.

Applications: Presses, casting machines

It complies with regulations. All models comply with CE/UL standards.

### FEATURES

- ✓ Tankless
- ✓ Max Pressure: 210 / 250 / 280 bar
- ✓ Max Flow Rate
  - ✓ Single pump type: 50 / 100 / 130 l/min
  - ✓ Double pump: 80 / 150 / 200 / 300 l/min

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## PRODUCT INFORMATION

### DUPLOMATIC MS – S5 SOLENOID VALVE

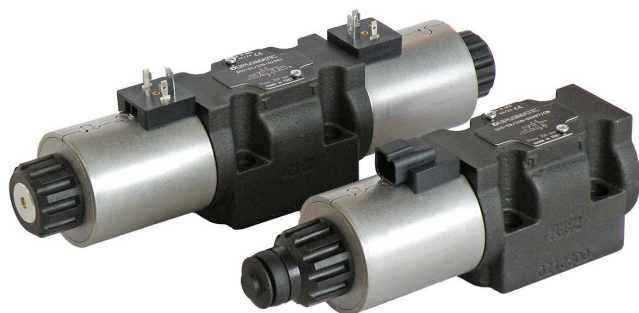
Duplomatic is proud to unveil its new direct-acting directional solenoid with ISO 4401-05 mounting pattern, a completely redesigned product that delivers superior performance in efficiency, durability.

#### Robustness and Durability

- The new direct-acting directional solenoid valve ensures reliable performances. Its compact and robust construction allows for easy integration into tight spaces, while maintaining superior structural integrity, making it ideal for demanding environments.

#### Product Optimization and Cost Efficiency

- The optimized core reduces pressure drops and enhancing energy efficiency. Additionally, the lightweight design provide a cost-effective solution without compromising performance.



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The new DS5 series 20 valves are for DC power supply.

The available connections meet most requirements in terms of ease of use, durability in harsh environments, compatibility with existing systems, and ensure both safety and reliability.

### FEATURES

- ✓ Max Pressure: 350 bar
- ✓ Max Flow Rate: 150 l/min
- ✓ Power consumption: 40W

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## PRODUCT INFORMATION

### DUPLOMATIC MS – CONNECTIVITY ON PROPORTIONAL VALVES

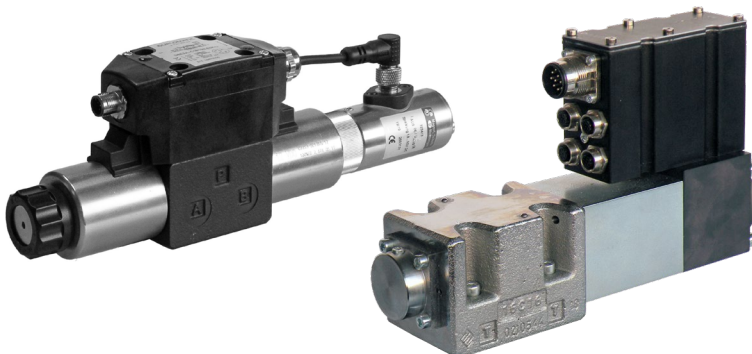
Duplomatic MS offers a comprehensive range of proportional valves designed to meet the diverse needs of our clients. With three types of integrated electronics, we provide both compact and cost-effective products as well as advanced connectivity technologies. From IO-link to industrial Ethernet communication, our solutions cover every field.

#### Cost-effective connectivity

- Our compact on-board electronics offer enhanced connectivity with IO-Link and CanOpen interfaces, along with a compact 5-pin M12 connection, enabling seamless integration into complex systems

#### Advanced connectivity

- Our servo-proportional directional valves feature double feedback for precise control and Ethernet connectivity, ensuring seamless integration and high-performance operation in advanced automation systems.



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## FEATURES

#### ✓ Compact electronics:

Analogue interface  
Io-Link  
Can Open

#### ✓ Fieldbus electronics:

Ethernet/IP  
EtherCAT  
ProfiNet

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## PRODUCT INFORMATION

### DUPLOMATIC MS – EC03 ELECTRIC CYLINDER WITH SERVO MOTOR AND INTEGRATED IO-LINK ELECTRONICS

#### Embedded, COmpact - EC03

- A step forward for electro-mechanical cylinders and mechatronic actuation systems for industrial automation.
- High performance and compactness in a single solution that sets the benchmark for this hierarchy of actuators.
- Compliant ISO 15552, with servo-motor and integrated IO-Link processor, EC03 is the optimal choice for all applications that requires simplicity, efficiency and reliability with an integrated digital solution.
- Duplomatic MS has understood the growing nodes demand for IO-Link, open point-to-point communication protocol, compliant with IEC61131-9 it allows easy integration into existing systems.
- Advantages of EC03 are simplified wiring, easy-parameterization for a first installation and rapid maintenance.
- Being digital, it contributes to the completion of the Industry 4.0 network of industrial machines and systems.
- The mechanic is robust and guarantee resistance and operational durability even in harsh working conditions. Characterized by a larger-sized rod, it offers the optimal solution.



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Designed to provide a ready-to-use solution for all most advanced automation applications requiring high dynamics and process control

Applications: Packaging, Small Handling, Food & Pharma, EV Battery, Automotive and Semiconductor industries

Compact built-in solution integrating servomotor and IO-Link electronics

#### FEATURES

- ✓ IO-Link protocol with brushless motor
- ✓ Rated force 450 N
- ✓ Protection grade IP65
- ✓ Power supply 24 Vdc

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## PRODUCT INFORMATION

### DUPLOMATIC MS - DAIKIN CORE TECHNOLOGY

#### Oil Hydraulic & Cooling Control

- ✓ Refrigerant system design
- ✓ Structural design
- ✓ High accuracy temperature control
- ✓ Maintenance free condenser

#### Robust control

- ✓ High accuracy pressure
- ✓ Flow rate control
- ✓ Flow rates switching
- ✓ Adjustments free – self learning

#### System Control

- ✓ Predictive maintenance – failure diagnosis
- ✓ Hydraulic circuit design, circuit design technology including valves.

#### Oil Hydraulic Devices

##### Pump design

- ✓ Hydrostatic bearing
- ✓ Architectural analysis
- ✓ Noise reduction
- ✓ Surface preparation

##### Valve design

- ✓ Fluid analysis
- ✓ Temperature correction

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**DAIKIN's comprehensive strength  
contributes to energy saving**

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## PRODUCT INFORMATION

### DUPLOMATIC MS - DAIKIN CORE TECHNOLOGY

#### Motor & Inverter

##### Motor and inverter design

- High capacity / heat loss
- Complying with regulations

##### Sensorless motor

- Highly responsive
- Low speed control / reverse rotation

##### Failure prognosis for compressor

Oil  
Hydraulics  
&  
Cooling  
Control

System  
Control



Oil  
Hydraulics  
Devices

Motor &  
Inverter

**DAIKIN's comprehensive strength  
contributes to energy saving**

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## PRODUCT INFORMATION

### DUPLOMATIC MS - DAIKIN AKW IoT/COMMUNICATION

#### Helping factories get ahead with IoT

Apparently, factories are running smoothly and efficiently, but behind the scenes there are many redundancies and inefficiencies that can bring down productivity. Daikin aims to solve these issues by offering IoT-connected hybrid systems.

#### How IoT optimises hybrid systems

Process like periodic inspections or changing filters are essential to keep units running at an optimal level. But these processes can be very demanding and waste time and money. Daikin hybrid systems aim to improve these processes with IoT-enabled solutions. With these optional systems, workers get important operating data to see when a unit requires inspection and diagnose issues before they happen.

#### Perform maintenance checks and update settings

With a host device users can read diagnostics and edit parameters to reduce downtime and ensure the smooth operation of their units.

Operations have access to status updates and write parameter settings for hydraulic and cooling units.

#### Advantages for factory workers

##### Machine manufacturers

The operating data, maintenance timing, and procedures can be displayed on the operation screen to help reduce the machine failure rate and the working hours spent on inspections

##### Machine users

The operating data maintenance timing and procedures can be displayed on the PC in the maintenance room, reducing the hours spent on inspections.

All models comply with CE standards.

## DAIKIN FLUID TECHNOLOGY GMBH AT A GLANCE

DAIKIN Fluid Technology – Future-proof solutions for industrial process cooling

DAIKIN Fluid Technology combines over 55 years of experience with the DELTATHERM® brand and the global technology and service expertise of the DAIKIN Group. Since 2026, the company has been operating as part of DAIKIN Industries under the name DAIKIN Fluid Technology, developing and producing high-performance industrial cooling and temperature control solutions for a wide range of industries.

Since our foundation, we have been supplying numerous industries – including machine tool manufacturing, laser technology, filtration technology, and the chemical and food industries – with high-quality, durable cooling systems. The high level of vertical integration and flexibility in customer-specific design developed at DELTATHERM® is now complemented by advanced control technology, energy-efficient solutions and the global quality standards of the DAIKIN Group.



### HEADQUARTER **Germany**

Much



### FACTORIES

1

## BRANDS



**Daikin-Deltatherm**  
Industrial Cooling  
Systems

## DUPLOMATIC MS GROUP AT A GLANCE

Duplomatic MS is a worldwide leader in the design and production of hydraulic, mechatronic and electromechanical solutions, serving OEMs, system integrators and distributors across industrial and mobile applications. Building on its strong engineering heritage and, since July 1st, 2022, as part of Daikin Industries Ltd., the company combines advanced motion control expertise with Daikin’s inverter-driven technologies. This synergy enables Duplomatic MS to offer inverter-controlled hybrid systems and industrial chillers, delivering higher energy efficiency, improved process stability and reduced environmental impact. The result is an integrated portfolio designed to support customers with reliable, high-performance and future-ready solutions.

### BRANDS

**DUPLOMATIC**  
MOTION SOLUTIONS  
a member of **DAIKIN** group

**Duplomatic**  
Industrial applications

**HYDRECO**  
a member of **DAIKIN** group

**Hydreco Hydraulics**  
Mobile applications

**CONTINENTAL**  
**HYDRAULICS**  
a member of **DAIKIN** group

**Continental Hydraulics**  
Industrial applications for  
North America



**REVENUES**  
**142M€**  
Group full year



**WORKFORCE**  
**+ 700**



**HEADQUARTER**  
**Italy**  
Parabiago (MI)



**TURNOVER BY**  
**GEOGRAPHIC AREA**  
**70%** Europe  
**16%** Asia Pacific  
**14%** America



**CUSTOMERS**  
**+ 5,000**  
among distributors,  
system integrators  
and OEMs



**FACTORIES**  
**17** all over the world

## GROUP COMPANIES

With a strong international network, Diplomatic MS delivers cutting-edge motion control technologies across continents.

- ✔ **Hydreco Hydraulics** - Headquarter in Poole (UK) and sites spread in Italy, Germany, Norway, USA, India and Australia – Motion control solutions for mobile applications
- ✔ **Continental Hydraulics** - Shakopee, MN (USA) – Motion control solutions for North America
- ✔ **Diplomatic Hydraulics Shanghai** - Shanghai (China) – Focused on valve production for the Asian market

## BUSINESS UNITS

Within Diplomatic MS, next to the Headquarters in Parabiago (Milan - IT) – where valves are designed and manufactured – operate:

- ✔ The **BU Custom Chillers** - Busto Arsizio (Varese - IT) – Specialists in tailored cooling solutions.
- ✔ The **BU Hydraulic Systems** - Lainate (Milan - IT) and Padova (IT) – Specialized in complex systems
- ✔ The **BU Turnkey Projects** - Parabiago (Milan - IT) – Focused on bespoke and innovative turnkey projects
  
- ✔ The **BU Mechatronics** - Rosta (Turin - IT) – Expert in electromechanical motion solutions, actuators and electric cylinders design and manufacturing
- ✔ The **BU Electric Drives & Motors** - Vicenza (IT) – Developing reluctance motors using magnets free of rare earth elements

## SMART MANUFACTURING

Diplomatic MS ensures full control over its production processes, both in Italy and internationally, adhering to Lean Manufacturing principles to optimize quality, efficiency, and service. Its production facilities are strategically located to provide fast and localized support to global markets.

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## 17 PRODUCTION SITES AND COMMERCIAL OFFICES AROUND THE WORLD

