

**Contact Technical Communication:**

Eva Manzenreiter  
DMG MORI EMEA Holding GmbH

[eva.manzenreiter@dmgmori.com](mailto:eva.manzenreiter@dmgmori.com)  
[dmgmori.com](https://www.dmgmori.com)

World premiere: NLX 2500|1250 2. Generation

## The new era in universal turning

**Munich.** With the new NLX 2500|1250, DMG MORI presents a completely modernized new edition of its best-selling universal turning machine. Users in demanding industries such as the medical, automotive, and energy sectors benefit from a wider range of spindles and improved spindle performance—both for high-speed heavy-duty machining and precision machining. The NLX 2500|1250 2. Generation offers space for workpieces up to 1,258 mm long with a diameter of  $\varnothing$  366 mm. The left and right spindles, a turret with driven tools, an extended Y-axis with  $\pm$  60 mm travel, and a tailstock make the machine a highly flexible manufacturing solution for the complete 6-sided machining of complex workpieces.

### Wide range of spindles and $\varnothing$ 105 mm bar capacity for maximum versatility

Both the left and right turnMASTER spindles have been significantly improved in terms of performance. Spindles measuring 10" and 12" are available on the left. The former achieves 5,000 rpm, a torque of 843 Nm and an output of 26 kW. The larger spindle reaches 3,000 rpm, 1,273 Nm, and 36 kW. Three spindles measuring 6", 8", and 10" are now available for the right side. The smallest version operates at 7,000 rpm and 95 Nm. The newly added largest spindle reaches 5,000 rpm and a high torque of 577 Nm. With an average service life of 20 years in mind, DMG MORI has redesigned the compact MASTER spindles and revised both the ball and roller bearings. In addition, the bar passage has been increased to  $\varnothing$  105 mm on both sides, while the spindles run with a roundness of 0.5  $\mu$ m.

### turretMASTER with up to 12,000 min<sup>-1</sup> or 100 Nm

The versatility of the spindle range continues with the selection of turrets. As standard, the NLX 2500|1250 2. Generation is equipped with a BMT60 turretMASTER, which offers space for twelve driven tools. There is also a BMT60 with ten stations, a BMT40 with 20 stations and a VDI40 turretMASTER with twelve stations. The driven tools operate at speeds of up to 12,000 rpm or - in the case of the BMT60 with ten stations - a torque of 100 Nm, which gives the NLX 2500|1250 2. Generation the milling properties of a machining center. DMG MORI offers a 36-month warranty on all turretMASTERS.

### Stable construction, thermal control and direct displacement measurement from Magnescale

Since the NLX series has always stood for maximum precision, DMG MORI has also made additional optimizations in this area. The stability of the cast bed and the rigidity of the moving components have been increased, and double-bearing ball screw drives have been implemented. The intelligent temperature management system takes all heat sources into account and reliably counteracts them, ensuring high long-term accuracy even in automated

**Contact Technical Communication:**

Eva Manzenreiter  
DMG MORI EMEA Holding GmbH

[eva.manzenreiter@dmgmori.com](mailto:eva.manzenreiter@dmgmori.com)  
[dmgmori.com](https://www.dmgmori.com)

---

production. In addition, direct encoders on all axes ensure high positioning accuracy, which is increased by a factor of 5 with the help of Magnescale's MAP correction. This means that the NLX 2500|1250 2. Generation is also suitable for precision machining, allowing even more scope for process integration.

The app-based CELOS X manufacturing platform on MAPPS with FANUC or on a SINUMERIK ONE from Siemens supports users with intuitive operation and paves the way to digital manufacturing. In the case of demanding applications, exclusive DMG MORI technology cycles simplify programming, for example gearSKIVING in the case of gear teeth.

**Perfectly equipped for automated and sustainable production**

Thanks to a plug & play interface, the NLX 2500|1250 2. Generation is easy to automate. The possibilities range from bar loaders to robot-based solutions such as Robo2Go, MATRIS light, and the MATRIS system. Optimized chip fall, sophisticated coolant and chip management using zero-sludgeCOOLANT, and a self-cleaning chip conveyor support reliable, autonomous production. Both zero-sludgeCOOLANT and the zeroFOG emulsion mist separator also ensure more environmentally friendly production. With these and other measures—such as 400 V operation—GREENMODE significantly reduces energy and resource consumption.

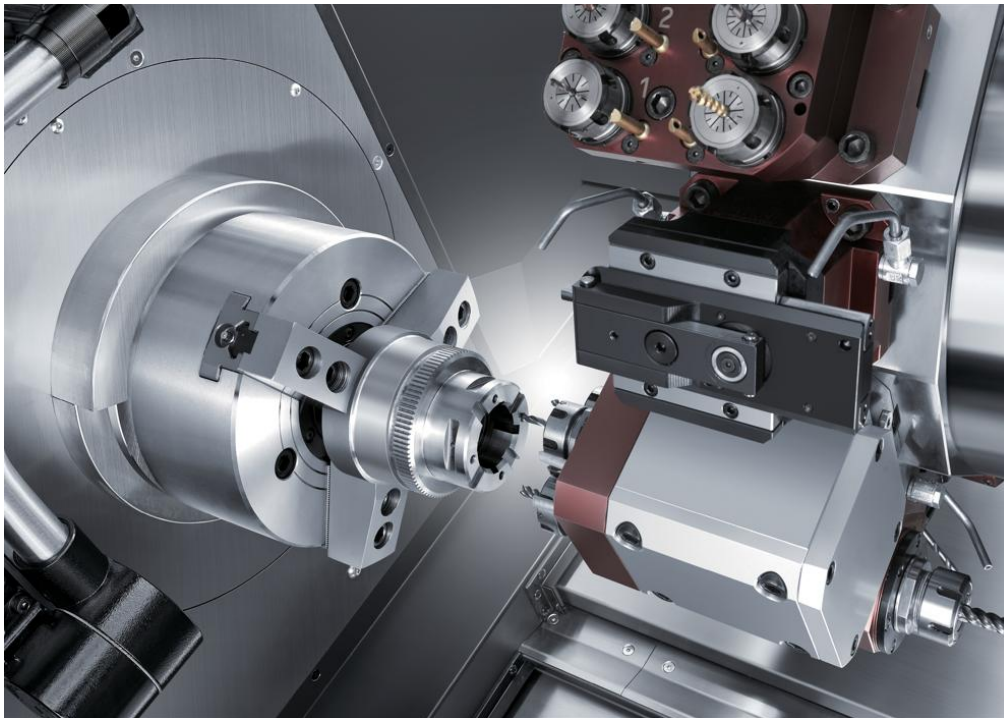
**Contact Technical Communication:**

Eva Manzenreiter  
DMG MORI EMEA Holding GmbH

[eva.manzenreiter@dmgmori.com](mailto:eva.manzenreiter@dmgmori.com)  
[dmgmori.com](https://www.dmgmori.com)



The completely modernized NLX 2500|1250 2. Generation sets new standards in both high-torque heavy-duty machining and precision machining.



With a wide range of spindles and turrets, the NLX 2500|1250 2. Generation can be used flexibly in the most demanding industries.

**Contact Technical Communication:**

Eva Manzenreiter  
DMG MORI EMEA Holding GmbH

[eva.manzenreiter@dmgmori.com](mailto:eva.manzenreiter@dmgmori.com)  
[dmgmori.com](https://www.dmgmori.com)

---

**Company Profile // DMG MORI**

DMG MORI is a leading global manufacturer of high-precision machine tools and is represented in 44 countries – with 124 sales and service locations, including 17 production plants. In the "Global One Company", more than 13,500 employees are driving the development of holistic solutions in the manufacturing industry. Under the guiding principle of Machining Transformation (MX), DMG MORI combines four pillars for the efficient, sustainable production of the future: Process Integration, Automation, Digital Transformation (DX) and Green Transformation (GX).

DMG MORI stands for innovation, quality and precision. Our portfolio covers sustainable manufacturing solutions based on the technologies Turning, Milling, Grinding, Boring as well as Ultrasonic, Lasertec and Additive Manufacturing. With technology integration, end-to-end automation and digitization solutions we make it possible to increase productivity and resource efficiency at the same time.

At our production sites worldwide, we implement holistic turnkey solutions for the main sectors of aviation & space, automotive & e-mobility, die & mold, medical, and semiconductor. With the DMG MORI Qualified Products (DMQP) partner program, we offer perfectly matched peripheral products from a single source. Our customer-oriented services cover the entire life cycle of a machine tool – including training, repair, maintenance and spare parts service.

*DMG MORI EMEA Holding GmbH | Walter-Gropius-Str. 7 | 80807 Munich  
Managing Directors: Hirotake Kobayashi, James Nudo, Irene Bader, Rajeev Anand, Ralf Riedemann, Yosuke Nakatsukasa, Marc Joost  
Phone number: +49 89248835900  
Data protection: DMG MORI EMEA Holding GmbH*