

Global Product Communications
Eva Manzenreiter
DMG MORI EMEA Holding GmbH

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

easyFIX

Automated Clamping for Consistent Processes

Munich. Manual clamping and unclamping of workpieces results in significant non-productive time, particularly during shorter machining cycles. DMG MORI reduces this non-productive time with the easyFIX, a vise featuring automated clamping range adjustment for the WPH workpiece and pallet handling system, as well as the Robo2Go and WH Cell workpiece handling systems. The WPH version is designed for a zero-point clamping system and is equipped with a SCHUNK coupling for fixture changeover. In the case of Robo2Go and WH Cell, the easyFIX is mounted directly on the machine table.

Both versions of the easyFIX are available in two sizes: The easyFIX 100 can be pneumatically adjusted from 0 to 100 mm and has a clamping force of 30 kN. The maximum workpiece dimensions with the standard jaws are 110 x 150 x 190 mm. Optional clamping jaws are available that allow for a workpiece length of 175 mm. The easyFIX 210 is designed for a clamping range of 0 to 210 mm and operates either pneumatically at 10 bar or hydraulically at 80 bar. The clamping force is 45 kN or 50 kN, respectively. It can accommodate workpieces measuring 230 x 200 x 150 mm.

Clamping width adjustment using a special tool

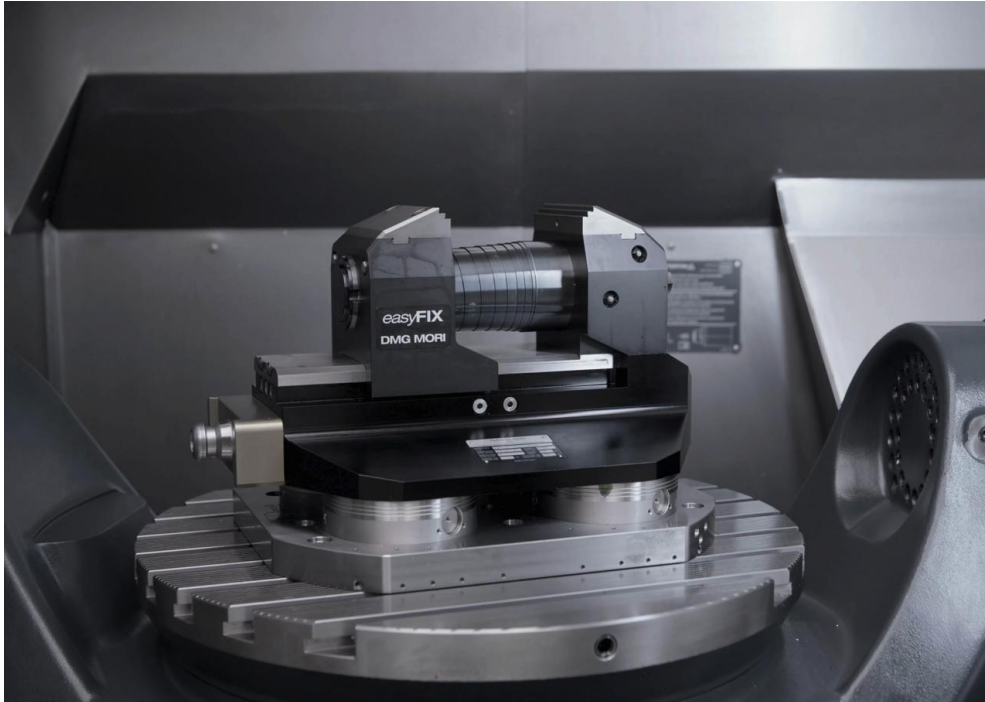
The automated clamping process with the easyFIX begins with the probe determining the actual position of the vise. The required clamping width is then set. This is done automatically using a special tool in the spindle. Manual adjustment is also possible. The target position is then checked once more by the probe before the robot loads the workpiece. This is followed by a pneumatic or hydraulic clamping stroke of up to 4.5 mm, after which machining of the securely clamped workpiece can begin. The easyFIX ensures high process reliability through an optimized chip evacuation path and its easy-to-clean design. Automatic clamping is fully integrated into the machine control system, which allows DMG MORI to simplify handling and enhance ease of use.

The easyFIX's wide adjustment range gives the vise maximum flexibility in diverse and automated manufacturing. In addition, other configurations are possible, such as an easyFIX pyramid that accommodates two vises and thus two workpieces as well as a dual-vise version designed to clamp larger workpieces.

Global Product Communications

Eva Manzenreiter
DMG MORI EMEA Holding GmbH

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



The easyFIX automatic from DMG MORI vise clamps workpieces in automated manufacturing processes without the need for manual intervention.

Company Profile // DMG MORI

DMG MORI is a leading global manufacturer of high-precision machine tools and is represented in 45 countries with 128 locations, including 18 production plants. In the "Global One Company", around 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, drilling 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 realize holistic turnkey solutions for the main sectors of Aviation & Space, Data & Semiconductor, Die & Mold, Mobility, and Medical. With the DMG MORI Qualified Products (DMQP) partner program, we offer perfectly matched peripheral products from a single source. Our customer-oriented offerings 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; Dr. James Victor Nudo; Dr. Irene Bader; Rajeev Anand;
Ralf Riedemann; Yosuke Nakatsukasa, Dr. Harald Neun
Phone number: +49 89248835900
Data protection: DMG MORI EMEA Holding GmbH*