

Press Release

July 13, 2017

DMG MORI Launches Built-in Vise, Industry-first Vise Integrated with Table

DMG MORI is pleased to announce the launch of the Built-in Vise, an industry-first vise integrated with a table. The product has been favorably received by customers since its release at IGA INNOVATION DAYS 2017 which took place from June 20 (Tue.) to 24 (Sat.) at our Iga Campus.

The Built-in Vise is a general-purpose fixture system that focuses on maximizing the machining space by the integration of machine vises and a sub table.

We embarked on the development of this product in cooperation with NABEYA CO., LTD. in November 2016 in pursuit of taking full advantage of the space inside a machine.

Based on the conventional idea of fitting vises on a table, we adopted an innovative idea of incorporating vises into a table. This enabled us to expand the machining area in the Z-axis direction by 1.6 times, or 2.7 times larger in volume.

Employing a clamping method in which the workpiece is held down, the Built-in Vise has achieved greater safety and higher accuracy in heavy-duty cutting. Additionally, with operator-friendly design, the vise has reduced its weight to 10 kg, one-eighth or less of conventional vises, and allows easier handling during setup.

The vise part consists of moving parts and fixed parts, and the table part has the orthogonal T-slots. The product is designed to clamp square or plate workpieces that can be machined in light- or medium-duty cutting. The combined use of the Built-in Vise and various options provides greater efficiency for high-mix low-volume production.

DMG MORI will continue to provide products that are reliable, highly functional and worthy of investment to meet each and every customer need.

<Standard specification>

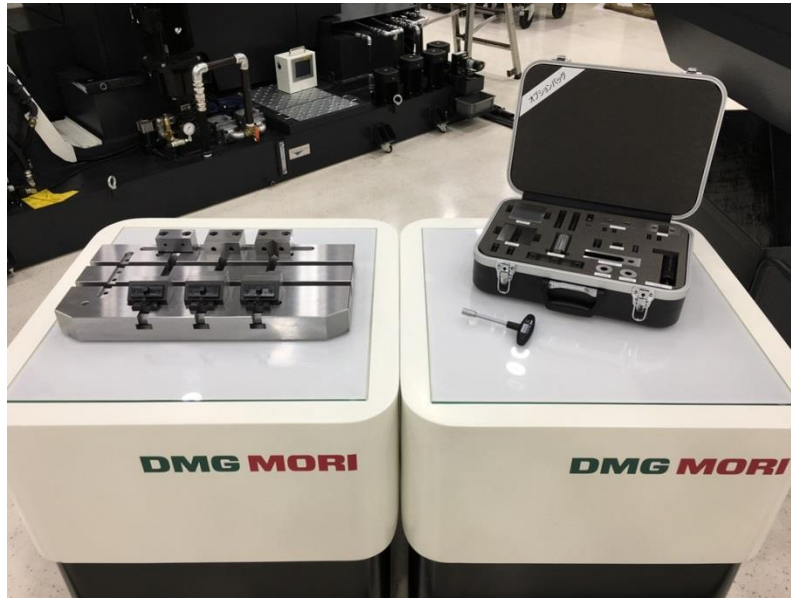
1. Vise-like workpiece clamping (Dedicated handle provided as standard)
2. Anti-lift mechanism
3. Workpiece can be fixed in either the X- or Y-axis direction by changing vise mounting positions.
4. Multiple vises can be connected in parallel to clamp a long workpiece (same as the conventional vises).

<High position specification>

The use of optional parts enables handling of a broader range of workpieces.

1. Workpiece mounting position can be raised by 50 mm.
2. A variety of jaw plates are available to handle thin or irregularly-shaped workpieces.
3. Workpiece can be clamped from above (the Z-axis direction).
4. It can handle hole machining of thin workpieces.

Item	Built-in Vise
Planned sales volume	100 sets a year
Start of order taking	June 20, 2017



Built-in Vise

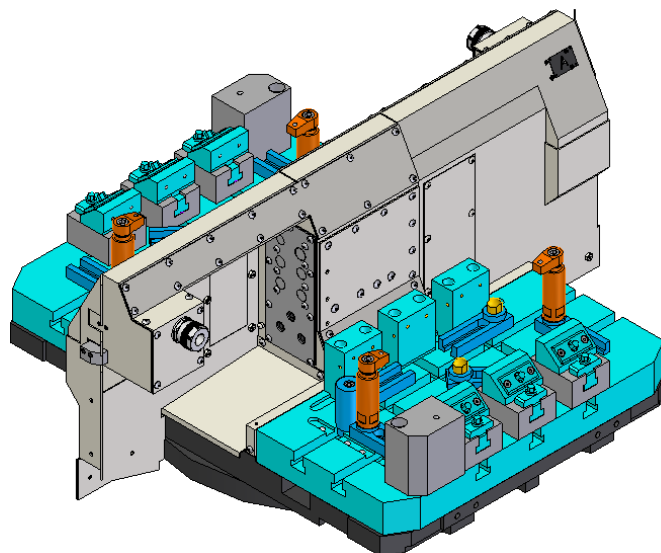


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