

## PRESS RELEASE

### NIDEC Machine Tool Boosts Gear Production Efficiency with New Dry-Cut Hobbing Machines

**Kyoto, Japan – December 6<sup>th</sup>, 2024** – NIDEC Machine Tool Corporation, a global leader in precision machining solutions, today announced the launch of its new GE-B series dry-cut hobbing machines. Designed to meet the increasing demand for high-precision, high-efficiency gear production, these advanced machines offer significant improvements over their predecessors.

#### Key Features and Benefits:

- **Enhanced Performance:** Powerful main-axis motors, boasting a 22-47% increase in output, enable faster cycle times, reducing production time by approximately 20%.
- **User-Friendly Operation:** Standard precision adjustment software simplifies setup and operation, minimizing operator error and downtime.
- **Energy Efficiency:** Integrated energy-saving components and technologies help reduce operating costs and environmental impact.
- **Versatile Applications:** The GE-B series is suitable for a wide range of gear types and sizes, making it ideal for various industries, including automotive, aerospace, and industrial machinery.



**New Dry-cut hobbing machine of the GE-B series**

“The GE-B series is a testament to our commitment to providing innovative solutions that drive productivity and efficiency,” said Haruhiko Niitani, President at NIDEC Machine Tool. “By incorporating cutting-edge technology and user-centric design, we empower our customers to achieve new levels of performance and competitiveness.”

The GE-B series comprises three models: GE15B, GE20B, and GE25B, each designed to handle specific workpiece sizes. These machines are compatible with MightyShieldΣ coated hobbing cutters and GRANMET SF material, enabling high-speed machining at cutting speeds exceeding 350m/min.

NIDEC Machine Tool continues to lead the industry by offering comprehensive gear machining solutions, from cutting tools to complete machining systems. With the launch of the GE-B series, the company reinforces its position as a trusted partner for manufacturers seeking to optimize their gear production processes.

**Dry-cut hobbing machines of the GE-B series**

Item	Model	GE15B	GE20B	GE25B
Work diameter	Φ mm	150	200	250
Maximum module	mm	4	6	6
CNC		FANUC 32i-B-Plus		
Spindle motor output	kW	11 (15)	15 (18.5)	22 (26)
Spindle rotating speed	min <sup>-1</sup>	2,000 (3,000)	2,000 (3,000)	2,000
Table rotating speed	min <sup>-1</sup>	300	300	200
Center-to-center distance	mm	15 - 140	25 - 225	40 - 210

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**About NIDEC Machine Tool Corporation**

NIDEC Machine Tool Corporation is a leading global provider of precision machining solutions, specializing in gear manufacturing equipment and cutting tools. The company, along with NIDEC OKK, PAMA, and TAKISAWA, works collaboratively to deliver high-quality, high-efficiency machine tools that support various industries worldwide.

**Website:** <https://www.NIDEC.com/en/machine-tool/>