

NEWS RELEASE

April 1st 2024

Nissin enters mid-sized honing machine market

The G75 to launch in July 2024

Nissin Manufacturing Co., Ltd. introduces the G75, a mid-sized honing machine capable of processing diameters from $\phi 50 \sim \phi 80$, with sales starting as of July 1st 2024.



G75-MM1

Mid-Sized Honing Machine Inherits Nissin's High-Precision

50 years have passed since we began retailing honing machines in 1973. Our Art of Smoothness concept offers a diverse lineup of configurations to suit all needs. The general-purpose type is ideal for multi-product production, long-stroke type for processing long objects and cell types that offer flexibility in response to fluctuations in production. Our lineup of machines has consistently satisfied our customers' needs.

The latest G75 type honing machine can handle diameters from $\phi 50 \sim \phi 80$, larger than our G25 and G50 types. This completely changes Nissin Manufacturing's image as a specializing in small-sized honing machines. The G75 type can deliver high productivity in growing markets such as motorcycle, construction machinery and truck part production. Not only does it offer high-performance and high-precision but environmentally, the servo-controlled mechanical-type double expansion mechanism is superior to a hydraulic controlled system. We developed this equipment in response to outcry from our customers for Nissin technology to process larger holes.

Double Expansion Tools consolidates multiple processes

In adopting a double-expansion tool that can handle both rough and finishing machining, we reduce the tool change time required by previous systems. This also reduces the number of processing stations, contributing to the overall compactness of design. This control allows the setting of fixed depth of cut or constant pressure to suit the target hole shape and it also takes advantage of air-in process measurement to maximize precision and accuracy.

※This tool is exclusively for the G75 type honing machine.



Double Expansion Mandrel

Attention to Design

In combining two neutral colors, Black & White, with the vivid Nissin Blue, we have created a sophisticated color scheme that is both clean and avant-garde. Our previous models had boxy safety covers that gave the machine a heavy look, but we have added a safety cover with a smooth curve and a simple yet stylish housing cover design to inspire high precision and inner diameter accuracy.

The Future

We have continued to strive to produce features and functions that had our customers say, “If it’s needs honing, I want Nissin.” As demand for consideration of the environment continues to grow in the manufacturing sector, we will continue to strive to expand our lineup, develop new features and functions, and design products that add to energy and space savings, contributing to future prosperity for people through the Art of Smoothness. Just as we have evolved from producing manual horizontal honing machines to high-speed automatic vertical honing machines, we shall continue as a company that surpasses expectations in the honing industry.

Target Workpiece Example



Motorcycle cylinder block



Truck connecting rod

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