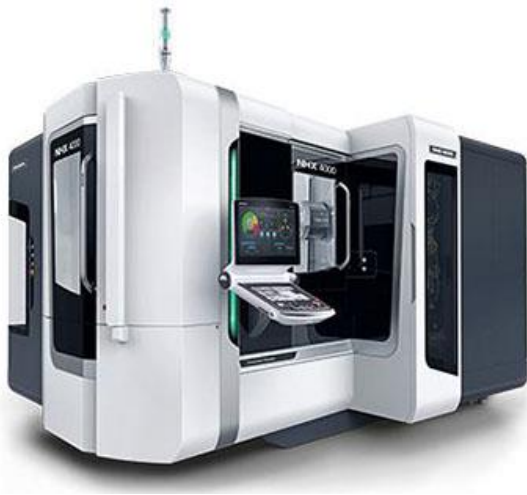


## Providing the Highest-level of Speed and Precision Available

*Harnessing the power of the DMG MORI NHX 4000 2<sup>nd</sup> Generation horizontal machining center*



Horizontal machining delivers greater precision and tighter tolerances than vertical machining. For OEMs across a variety of industries, finding a contract manufacturing partner with state-of-the-art horizontal machining technology and the know-how to optimize it to the OEM's advantage is the best way to obtain solutions that meet precision, quality and piece-price requirements.

**KAL Manufacturing** in Rochester, NY recently invested in the [DMG MORI NHX 4000 2<sup>nd</sup> Generation Horizontal Machining Center](#) for:

- **Fewer setups** and a **much higher process capability**.
- State-of-the-art horizontal machining technology keeps KAL **responsive** and **agile** in the marketplace.
- Eliminates the need for some secondary cosmetic operations resulting in **OEM cost savings**.
- Extreme rigidity provides exciting **flexibility**.
- Dual pallet system - allows parts to be loaded/unloaded on one pallet while machining another pallet. The pallets switch in just 8 seconds, **resulting in extremely low spindle down time**.
- **60-tool magazine** supports tool changes in 2.2 seconds, chip to chip.
- **Full fourth axis capability** - KAL can manufacture **more complex** parts with ease.
- Pallet size of 15.7 × 15.7 inches and maximum loading capacity of 880 pounds.

“Horizontal machining technology delivers the highest level of speed and precision for high-efficiency, continuous machining and mass production of machining projects,” said KAL Operations Manager Brian Hooker. “By optimizing these capabilities, horizontal machining enables us to provide the best solutions for medium-sized build-to-print components.”

According to KAL Quality Assurance Manager Scott Bradford, “Horizontal manufacturing enables us to achieve the highest tolerance capabilities and a better surface finish, which saves on finishing operations and delivers a better CPK.”

For more information on the DMG MORI NHX 400, please visit the links below.

- [DMG MORI NHX 4000 2<sup>nd</sup> Generation Horizontal Machining Center](#) (Youtube video)
- <http://en.dmgmori.com/products/milling-machines/horizontal-machining-centres/nhx/nhx4000> (MORI website)

**For more information about KAL Manufacturing – ISO Certified and ITAR Registered**

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