Chapter 2 Strengthens Production Capacity with Installation of Horizontal Machining System

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LAKE MILLS, WI - January 20, 2026 -
Chapter 2 Inc,. a manufacturing and engineering firm of complex components, applications and systems located in Lake Mills, WI. announced the installation of a new horizontal machining center at its manufacturing facility expanding the company?s production capacity and reinforcing its dedication to precision machining services.

The newly installed equipment is a DN Solutions NHP 5000 horizontal machining center with a rotary pallet system, a platform designed to support high-speed machining, automation-ready workflows, and multi-operation part processing. The investment reflects Chapter 2 Inc.?s continued effort to align its machining infrastructure with evolving production demands and long-term manufacturing strategy.

Kyle Johnston, owner at Chapter 2 Inc., said the decision to add the horizontal machining center was driven by the need for more repeatable and efficient changeovers between complex product families. ?This machine gives us a more efficient way to process complex components with multiple operations,? Johnston said. ?The pallet automation and tool capacity allow us to reduce the variabilities between setups and maintain the dimensional accuracy our customers rely on.?

The NHP 5000 operates with a spindle speed of up to 15,000 rpm, enabling higher cutting velocities for aluminum, steel, and other commonly machined materials. This capability supports shorter cycle times while maintaining surface finish and dimensional stability during extended machining cycles. The horizontal configuration also improves chip evacuation and thermal management, factors that contribute to repeatable results in high-precision applications.

The Rotary Pallet Systems (RPS) is equipped with an additional 5 pallet positions allowing commonly used fixtures to remain intact when the pallets are not in use. This in turn eliminates the time and any variability created by the fixture removal and setup process. The RPS also has job scheduling capability which allows for jobs to be machined sequentially while unattended.

The machine is equipped with roller-type linear guideways on all axes, a design intended to reduce vibration and improve positional accuracy compared to traditional guide systems. This mechanical stability is particularly important for parts requiring tight tolerances across multiple operations. The rigid bed structure and compact footprint also allow the system to integrate efficiently into the existing shop layout.

Tooling capacity played a significant role in the selection of the NHP 5000. The machining center features a 120-station automatic tool changer, supporting long unattended runs and complex programs that require multiple cutting tools. Johnston noted that this capability helps streamline production scheduling. ?With more tools available at the machine, we can reduce stoppages and better support jobs that involve multiple machining steps,? he said.

Johnston said the company plans to transition select recurring jobs onto the new platform once validation is complete. ?Our focus is on applying this machine where it delivers measurable improvements in lead time, consistency, and overall process control,? he said.

With the installation of the horizontal machining system, Chapter 2 Inc. continues to invest in manufacturing infrastructure that supports scalable production and long-term operational reliability. The addition strengthens the company?s ability to meet increasing demand for complex machined parts while maintaining established quality standards.

For additional information about Chapter 2 Inc.?s precision machining services and the DN Solutions NHP 5000 installation, customers and partners can contact Kyle Johnston. The company supports demanding programs requiring repeatable tolerances, efficient changeovers, and production-ready workflows, helping teams move from prototype to sustained production with consistent quality and dependable delivery.

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Chapter 2 Incorporated

Chapter 2 Incorporated, established in 1973, offers precision CNC machining, high-volume production, and a wide range of custom manufacturing services.

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