



Eurotech Lathe and Milltronics Mill Increases Business 120% with the Expansion of Machining Capabilities



Humble beginnings and big dreams is said best about Kingdom Precision's story. Just twelve years ago, Jeff Nunez had completed his training for programming and operating a CNC lathe. At this time, he had no idea that faith, hard work, and big dreams would take him from earning \$10.50 per hour as a first-time machinist - to owning a successful machine tool shop located in Clearwater, FL. Kingdom Precision is a high-mix production and prototype machine shop specializing in manufacturing CNC machined parts made from aluminum and non-ferrous materials, stainless steel, plastics, titanium, and other alloys. Kingdom Precision produces components for a wide sector, including: automobile, aerospace, firearms, and military defense.

Just a couple of years ago, in June of 2021, Kingdom Precision's primary production focused on the automobile industry. He was looking for the opportunity to grow into the firearm industry, but was limited due to the machines he was manufacturing his components on. Jeff was in need of a lathe that would be able to machine components for all of the industry sectors he contracts for. Kingdom Precision has operated as a one-man shop until just recently - meaning that it was important to have a machine that was capable of running unmanned. Jeff Nunez knew that the right machines would be critical for the successful growth of his machine shop.

U-Tech CNC's Sales Engineer, Patrick Shaver, knew exactly what machine would push Kingdom Precision successfully into a new industry. Having earned an impressive reputation for machining "One and Done" and unmanned in diverse sectors, Patrick knew that the Eurotech product line would have the ideal machine for his production needs.



Patrick's manufacturing solution was a used **2001 Eurotech 730 SLY lathe**, designed for running lights out. The Eurotech 730 SLY runs unmanned in one operation, with a parts catcher - meaning that Jeff could continue to grow his production while maintaining lean manufacturing. **Patrick sold the machine inspected by certified technicians, including a 6-months warranty.** According to Jeff, about 85% of the time that the Eurotech 730 SLY is running unmanned, it is machining firearm components. The remaining 15% of the time, the lathe's production focuses on various components for automobile parts.

"My business has increased 120% This 22 year-old lathe is still cranking out parts, running unmanned, and bringing in more business. It has paid for itself!"

MACHINE SHOP INCREASES BUSINESS 120% IN TWO YEARS; INVESTING IN TWO MACHINES

Kingdom Precision then shifted their focus to improving their milling capabilities. They were looking to replace their current mill with one that allowed a 4th axis and could run for a longer cycle time. Kingdom Precision reached out to Patrick Shaver for another machining solution. This time, Patrick knew that the Milltronics vertical mill series would check all of the boxes for Jeff. **The VM Series machines are belt-driven and include standard features such as; full enclosures, swing-arm tool changers, 10,000 RPM BIG-PLUS® dual contact spindles, the 9000 Series control, and more.** Kingdom Precision's VM 3018 mill came with a 34" x 18" table (table width matches the Y-travel) and a 4th axis option.

The improved cycle time has left Jeff beyond satisfied. The cycle time for one specific component machined for a drive shaft has gone from a 32 minute cycle to an impressive 12 minute cycle time - cutting his cycle time over 50%!



The machines are the solution to quality parts and profit for both the machine shop and the customer. Reducing cycle time, ultimately reduces manufacturing costs. At times, the machining time can even outweigh the material costs that the customer absorbs. This is why Kingdom Precision has worked with U-Tech CNC to purchase machines that improve cycle time, precision, and quality.

"Patrick has provided me with a great experience working with U-Tech CNC.

He is always quick to reply and follows-up immediately. His recommendation for machines has been exactly what I have needed for my production. The machines have been very reliable and have exceeded my expectations!"

Kingdom Precision also relies on U-Tech CNC for their service needs. Jeff says, *"My experience with U-Tech CNC's service technicians has always been great. They are always able to assist immediately, rather it be a response via phone or a service call."* U-Tech CNC's certified technicians' skills include service repair, rebuilds, maintenance, and applications. Kingdom Precision and U-Tech CNC create a great partnership due to their shared value for commitment to customers, as well as the concept that the hard work and effort put into a job defines success.

Complex part machined with precision cuts & finish



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