

# Puritas Metal Products Increases Production 37% with Toyoda

# TOYODA

## CHALLENGE

With over 60 years of experience, Puritas Metal Products has earned their place as the leading manufacturer of high quality lifting rings and plate nuts for demanding cargo handling and storage applications. From the raw materials to the finishing—Puritas products are held to the highest standards to ensure safety for military transport and personnel. Their process for part production included a machine that was capable but lacking in efficiency in terms of time and tooling. Puritas needed a machine that could produce a complete, high-quality part in a shorter amount of time. They knew exactly what they were looking for and refused to settle for less.

## GOALS

- Update equipment to increase efficiencies across the board.
- Bring manufacturing costs down while maintaining high-quality standards.
- Ensure support for staff through transition to upgraded technology.

## SOLUTION

After seeing the NEX-105 at an industry tradeshow, Puritas was convinced it was the machine for them. It provided a solution for small batch production of complex parts—with both speed and accuracy. Puritas also added the NEX-108M turning machine to the lineup. The construction of the turret, guideways, and the live tool system were large draws and the compact footprint of the machine would allow for greater workflow.

- NEX-105
- NEX-108M

## OUTCOME

After installation, the NEX-105 has given Puritas greater capacity and the ability to put stock parts on the shelf. The NEX-108M increased efficiencies all around and eliminated the need for two other machines.

- ▶ **PRODUCTION INCREASED 37%.**  
The new machining efficiencies increased production by nearly 40%—and the smaller machine footprint meant more floor space and better workflow.
- ▶ **CYCLE TIMES REDUCED BY 30%.**  
On average, the new machines reduced cycle time by an average of 30% across three different parts.
- ▶ **REDUCED NON-PERISHABLE TOOLING BY 70%.**  
The workholding brought down tooling costs and eliminated perishable tools from the shop.
- ▶ **REDUCED WASTE BY 10%.**  
Operational control and the higher quality of the parts produced helped reduce scrap significantly.



NEX-105



NEX-108M

Partner with Toyoda and find your solution.

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