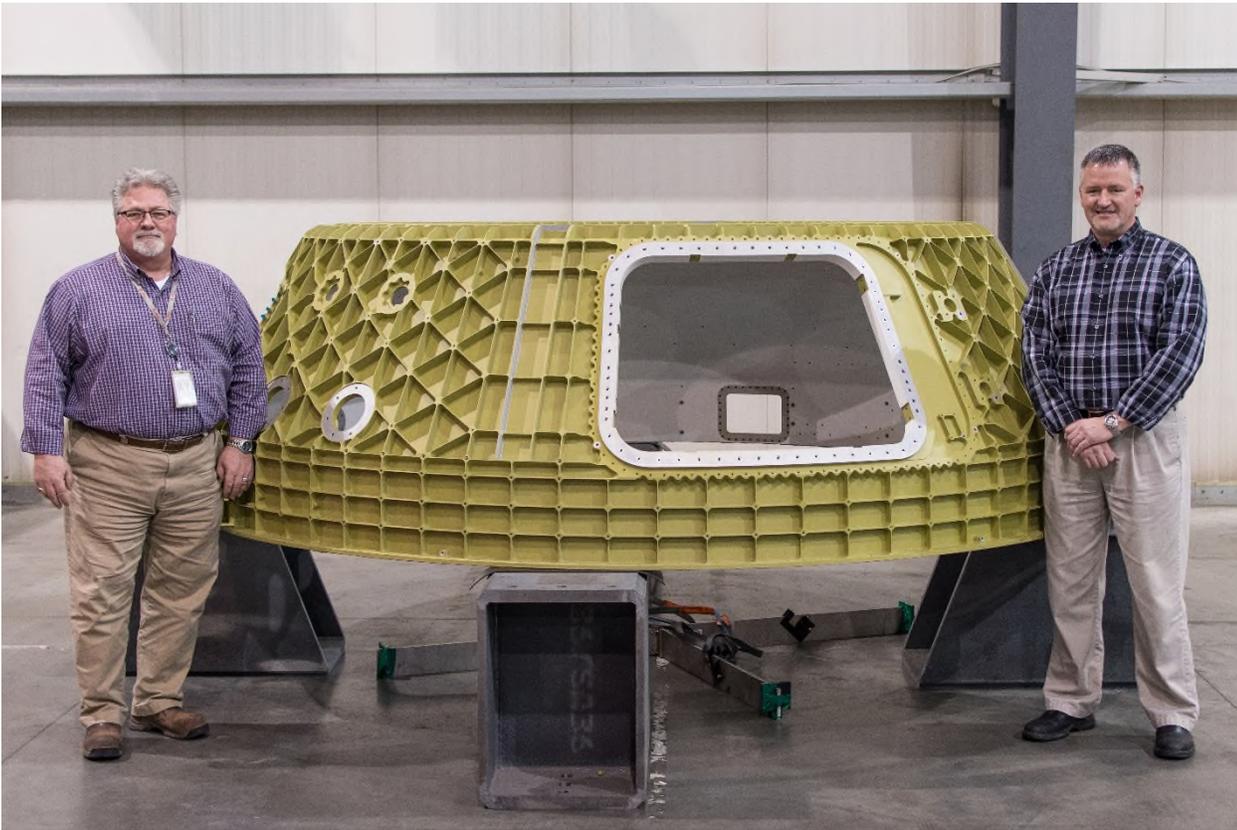

Major Tool & Machine Proudly Supports Boeing's CST-100 Starliner



Major Tool & Machine produces mission-critical, precision-machined components and mechanical assemblies for Boeing's CST-100 Starliner.
Credit: MTM

Major Tool & Machine (MTM)

Description:

Founded in 1946 and located in Indianapolis, Indiana, Major Tool & Machine specializes in serving the aerospace and defense, power generation, energy, semiconductor, and oil and gas markets. In addition to the Company's large-format machining, fabrication, and assembly services, MTM provides design for manufacturing assistance and supports both manufacturing engineering as well as contract manufacturing.

In September 2021, MTM was acquired by Precinmac, a leading diversified manufacturer of high-tolerance precision machined components and assemblies. Precinmac has eight divisions across the United States and Canada – Maine Machine Products Company, Hoppe Technologies, Trimaster Manufacturing, HPG, Viper Northwest, Shields Manufacturing, and Petersen Inc.

Support for Boeing's CST-100 Starliner Program:

In support of Boeing's Commercial Crew Transportation System (CCTS), called the CST-100 Starliner, MTM produces:

- Vision-based Electro-optical Sensor Tracking Assembly (VESTA)
- NASA Docking System Controller
- Integrated Propulsion Controller

These precision machined mechanical components will enable the Starliner to fly safely into orbit and autonomously rendezvous and dock to the manned International Space Station.

General Capabilities:

- Investments in high speed, large volume 5-axis machining allow us to produce tight tolerance, precision machined launch vehicle structures
- MTM is capable of producing parts as small as a turbine blade, up to 60 feet in length and 43 feet in diameter. Complex, precision machined components, fabrications, and assemblies are where MTM brings the best value to our customers
- Through our fusion of engineering and ingenuity, we integrate best practices with leading-edge technology to manufacture the "unmanufacturable"

Interesting Facts:

- MTM is a contract build-to-print manufacturing service provider, focused on highly engineered mechanical components and assemblies
- MTM's Indianapolis campus features 620,000 square feet of manufacturing space, with an additional 70,000 square feet of expansion underway

- State-of-the-art equipment and dedicated personnel deployed throughout the campus allow for quick-turn New Product Introduction (NPI) and high-mix, medium-volume, sustained production.
- MTM also supports the Boeing-built Space Launch System (SLS), which is NASA's most powerful rocket. The SLS provides a critical heavy-lift launch capability, enabling diverse deep space missions. The exploration class vehicle will launch larger payloads farther into our solar system, faster than ever before possible. MTM is manufacturing launch vehicle structural components and rocket motor components for the SLS and ORION programs

Background:

- Founded in 1946
- A Precinmac Company
- Approximately 420 employees

###

Contact:

Name David Kuhlmann
Title Vice President Business Development
Company name Major Tool & Machine
Office: +1 phone number 317-636-6433
email address dkuhlmann@majortool.com

March 2023