

Matt Sutter

Product Design Engineer

EXPERIENCE

Product Design Engineer, Innovations, Nexteer — Mar 2022–May 2025

- Designed, developed, and validated various design changes to core bill of design for cost and performance enhancements, including a 2pc welded rack bar, tie-rod x-section optimization, barreled pulley.
- Conducted all competitive analysis at the Saginaw facility: identified new/innovative technologies, executed tests, performed teardowns, assessed cost, conducted patent searches, and reported findings.
- Led the transfer of teardown capabilities to India Tech Center: specified required test hardware, mentored engineers, and assisted in designing a storage database with compiled global findings.
- Maintained access to and tracked hardware and flashed software for all fleet vehicles used for customer demos and developmental testing.

Product Design Engineer, Columns, Nexteer — Aug 2016–Mar 2022

- Designed collapsible column and intermediate shafts, and connecting interfaces, to meet individual program specific customer requirements.
- Prepared and reviewed drawings, 3D models, FEA, and various required documentation for customer program pursuits and general bill of design changes.
- Initiated and conducted all activities for Nexteer's first ball slider design – filling a gap in product offerings for applications requiring high torque and/or temperature.
- Led design for Nexteer's first product-line program wins for both Ford & Tesla – 2021 'Inspire Award' for Customer Team of the Year from Tesla win.
- Traveled internationally to interface with customers for design proposals (Italy – Stellantis) and suppliers for plant visits (China – Xinglong, Qingdao Madison).

EDUCATION

Michigan Technological University — Master of Science in Electrical and Electronics Engineering, Dec 2025

Michigan State University — Bachelor of Science in Mechanical Engineering, May 2016

SKILLS

Lean Six Sigma, Competitive Analysis, Design of Experiments, CAD, Minitab