

John Evans' Constant Force Spring Design - On It's Way to Mars **AGAIN!**



NASA LAUNCHES MARS 2020
PERSEVERANCE ROVER JULY 30TH



Our Engineering Dept. & Sales Dept. have worked with **NASA's Jet Propulsion Laboratory** since Sept. 2018 on this design. The springs were created in our Constant Force Dept.

Perseverance will cruise through space for nearly seven months, aiming to land in Mars's Jezero crater on February 18th 2021.

Physical facts:

- 2,260 pounds
- 10 ft. long, 9 ft. wide, 7 ft. tall
- Plutonium-238 powered
- Generates 110 watts of electricity plus two lithium-ion rechargeable batteries

Prior to this achievement, John Evans' has built similar springs for the suspension of the still operational, mars rover **Curiosity**, landing on August 6th, 2012.

Curiosity's rover design served as the basis for NASA's 2021 Perseverance mission. JPL, a division of Cal Tech, manages the Mars Science Laboratory project for NASA's Science Mission Directorate, Washington.



MORE INFO ABOUT THE MISSION IS AT: [HTTP://MARS.JPL.NASA.GOV/MSL](http://mars.jpl.nasa.gov/msl).