

i am an INNOVATOR



National Aeronautics and
Space Administration



Randy Hignight is NASA White Sands Test Facility's (WSTF) problem-solving Precision Machining and Fabrication Shop resident expert. When called upon to find a better method for machining sabots for WSTF's Remote Hypervelocity Test Facility, Randy went to work, found a tested technique using vegetable oil and isopropyl alcohol, and then perfected the technique to meet WSTF's needs. Peanut oil performed better than vegetable oil, so Randy mixed the ratios of the peanut oil and isopropyl alcohol until he found the exact formula to machine crystal-clear, blemish-free sabots. These sabots are now in use at the Hypervelocity Test Facility, saving time and reducing costs.

Randy contributes greatly to the "can-do" reputation that WSTF is known for.