

TEST BENCH OF STAR TRACKER

Can be tested on the laboratory or on-ground.

Technological benefits

Flexibility

Allows a functional test of the star tracker at the design stage or in satellite integration phase.

Noninvasive solution.

Flexible adaptation to the star tracker.

Flare baffle of the star tracker can be maintained during the test and the integration of the satellite on the ground.

Effectivity

Less expensive and complex than traditional solutions.

Test bench is based on consumer equipment, like touch screen.

The indirect illumination of the screen simulates variations of flare due to the presence of stars.

Invention overview

The invention relates to a star tracker test bench.

It includes a star tracker with a protective baffle, a collimator, a screen for displaying a portion of the sky.

This invention provides a flexible and less expensive solution compared to existing solutions.



Commercial benefits

Economical

Improved performance, efficiency gain.

Compact size.

Light weight.

Low cost

Potential applications

Spatial

Aeronautics

TRL : 8

Invention available under license.