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### Laser Tracker' s Calibration Device

With laser Tracker widely used in industrial measurement field , More attention is concentrated on how to calibrate a laser tracker in standard environment laboratory. In this paper, a new device which could be applied to calibrate a laser tracker is introduced. The device employs a laser interferometer as the standard and gives the reference lengths in horizontal and vertical direction by two linear rails. The reference lengths can be used to calibrate a laser tracker' s measurement error of horizontal angle, vertical angle and range. At the end, four structures of this kind of device are put forward.

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