

**METHOD AND TOOL FOR MEASUREMENT OF ROLL STATIC ATTITUDE
OF SLIDERS IN A MAGNETIC RECORDING HEAD STACK ASSEMBLY**

Abstract

A method and tool for measurement of the roll static attitude (32) and y-misalignment of magnetic recording sliders (4) within the head stack assembly (2) having reference elements placed on the deposited end of the magnetic recording slider (4), which are optically analyzed by a video camera (8) connected to a computer. For fast measurement the head stack assembly (2) is clamped in a fixture (1) mounted on motorized stages (10), which move each slider (4) into the measurement position. In a two step imaging and analyzing process, the orientation and location of one or more edges of the reference element are computed and compared with known control parameters.

Fig 1