SYSTEM AND METHOD FOR INSPECTION OF HOLE LOCATION ON TURBINE AIRFOILS

ABSTRACT OF THE DISCLOSURE

An inspection system for locating multiple features on an exterior of an object includes a fixture, a camera, a computer and software. The fixture secures the object and includes a plurality of nest points for mating with specific positions on the exterior of the object, and a reference point located at a specific position relative to the nest points and within a best-plane of the object. The camera is positioned normal to the best-plane of the object and obtains video imaging of a plurality of the features and the reference point. The computer communicates with the camera and collects the video imaging. The software determines the actual parameters of the features relative to the reference point based on the video imaging.