ABSTRACT OF THE DISCLOSURE

IMAGE-BASED INSPECTION SYSTEM INCLUDING POSITIONING COMPENSATION FOR NON-PLANAR TARGETS

A image-based system (300) for inspecting objects utilizes an imaging chain (310) that defines a focal plane, a manipulator (320) for translating and rotating either the object under inspection or the imaging chain (310), a surface mapping system (330) that generates a representation of the surface of the object under inspection, and a controller (340) that uses the representation of the surface of the object to control the manipulator (320) so that a portion of the object under inspection lies within the focal plane of the imaging chain (310).

FIG. 3



