

MULTIPLE SURFACE INSPECTION SYSTEM AND METHOD

ABSTRACT OF THE INVENTION

5 A system for inspecting components is provided. The system includes a prism having a first end, a second end, a first reflecting surface, and a second reflecting surface. The first end of the prism is located in a plane that is parallel to and axially separated from a plane of one or more
10 of a plurality of inspection pieces. An image data system is disposed beyond the second end of the prism and generates image data of one or more of the inspection piece that includes a top surface of at least one of the inspection pieces and at least one side of at least one of the inspection
15 pieces. An inspection piece transportation system, such as a pick and place tool or conveyor, moves a plurality of inspection pieces past the first end of the prism through an inspection area.

20 FIG. 5