

DIE BENDER AND METHOD FOR DETECTING MISALIGNED WORKPIECES

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Abstract

An indexer (10) for moving a workpiece along a conveying direction in a die bonder. The indexer (10) has a workpiece track (12) and a movement actuator mount (14) coupled to the workpiece track (12) at five positions along the conveying direction. The movement actuator mount (14) is spaced apart at a predetermined distance from the workpiece track (12) at each of the five positions. Five spatial detectors (32) couple to the movement actuator mount (14) at five corresponding detector positions to detect when the predetermined distance deviates more than a predetermined limit. The indexer (10) also has a controller to control conveyance of the workpiece.

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FIG. 1 accompanies the abstract.