

ABSTRACT

BAR ANGLE MEASUREMENT SYSTEM

5 The present bar angle measurement (BAM) system is mounted on a
bar bending apparatus which is well known to those in the bar bending
industry. The BAM system comprises three main units, the light and CCD
assembly unit, a mounting unit, and a control unit. The light and CCD
assembly unit is mounted on the bar bending apparatus via the mounting
10 unit and positioned directly over a turn table where the bar bending occurs.
The light and the CCD assembly comprise CCIR monochrome camera with
fluorescent lighting. The lighting provides the local luminance required for
the camera to capture the image of the bent bar. The control unit controls
the process flow of the BAM system.

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FIG. 1