

FIRST PROGRESS REPORT ON THE USE OF A MACHINE MOUNTED LASER AS A MEANS OF EXTENDING THE LENGTH OF THE OVERALL MEASURING BASE OF A TAMPING MACHINE

The report describes the result of tests that have been designed to determine the vertical positioning accuracy of the intermediate reference point with respect to the line joining the front and rear reference points of a tamping machine operating under laser control, and having an overall measuring base length of 45m.

The tests have shown the vertical positioning accuracy to be +0.1mm which compares favourably with the performance of the wire detecting device of a traditional tamping machine having an overall measuring base length of 13.6m.