

THE USE OF A MACHINE MOUNTED LASER AS A MEANS OF EXTENDING THE LENGTH OF THE OVERALL MEASURING BASE OF A TAMPING MACHINE – A FEASIBILITY STUDY

A possible means of extending the length of the overall measuring base of a tamping machine which overcomes the problems associated with the deployment of a remote measuring tower is described together with some of the problems that have to be overcome.

Part 1 is concerned with the general principles involved whilst Part 2 considers in some detail the associated laser emitter/detector system.

The report concludes that it is considered that the general feasibility of a machine mounted laser lead control system has been demonstrated. The results of further work concerned with the practicability of the idea will be reported when available.