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The Semiautomatic Chalk Board Cleaner

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THE SEMIAUTOMATIC CHALK BOARD CLEANER

Prepared for:

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MET 497
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ABSTRACT

The Semiautomatic Chalk Board Cleaner is designed to erase and clean chalkboards more easily than the present method. This is accomplished through a technical plan which includes design solutions, fabrication methods, test procedures, and prototype costs. The design solution includes the criteria, such as, weight and cost. Also, a preliminary analysis is presented to assure the success of the unit. A computer program determines the maximum torque due to friction between the board and roller. The testing section of the report covers methodology, facilities and equipment, data, and evaluation of the criteria. Prototype costs are presented in detail and compared to production costs. Through the technical plan a more effective way to clean and erase a chalkboard is developed.

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