

# Drive Power Requirement for Winder & Reel Section of Finishing House

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## ABSTRACT

The power requirement of winder drives depends on many variables such as type of winder, critical speed of roll, deflection of roll, running time of winder, dimensions of the winder rolls, tension and speed of web and basis weight of paper. In this present paper an algorithm is developed taking into account of all the above parameters. This will provide an efficient tool to estimate the different output winders parameters to practicing engineer on shop floor. The algorithm can be used fully or partially depending on one's individual needs. The case studies of an Indian mill and mill operating abroad have been shown to facilitate the use of the algorithm derived.