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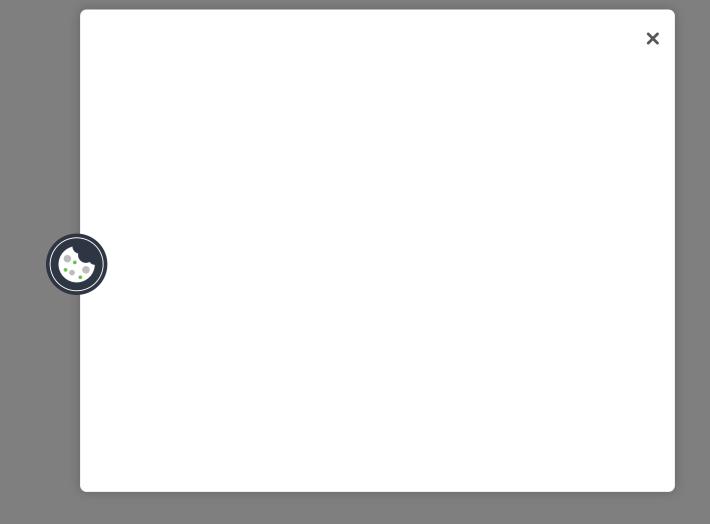
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manufacturing performance can be measured. To this end, we formulate a multistage

Investment decision model that consideres explicitly the nonconventional costs of quality, inventory, part waiting, equipment idle, and so forth. Finally, a case study is presented to demonstrate the application of the economic model developed in this paper.





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