Abstract

It is commonly observed that the manufacturers have started to give significance to quality management. Promoting the production of the product serves as the ultimate target of the manufacturer. The manufacturers handle various tactics to produce products of high quality and to make it fit for the taste of the customers. To make the rate of production fast, the machines are subjected to continuous wear and tear which results in depreciation. To withstand these circumstances the manufacturers have to maintain high degree of reliability and flexibility. Fuzzy concepts are applied to formulate an Economic Production Quantity (EPQ) model which facilitates the manufacturers to face risks present in the production sector.

References

Economics 135,345-352b.

**Index Terms**

Computer Science  
Fuzzy

**Keywords**

Production quantity  Fuzzy triangular number  Quality  Reliability  Flexibility