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Articles

Simultaneous production planning of make-to-order (MTO) and make-to-stock (MTS) products using simulation optimization. Case study: Soren Restaurant

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Abstra

Currentl re moving towards salon capa tment priority the lack of stable d l models. Accordin s used to simulate production in the ki n the perspect eriments. Numeric ons and

public interests in traditional foods, the increase of restaurant salon capacity has higher priority and could lead to increased net profit. Additional studies revealed that to increase the overall profits without reducing the quality of provided services to customers, the proportion of production for outdoor customers must be increased. By by the restaurant management implementing these policies, the average rate of profit was increased by 9.3% during 6 months.

Keywords: Discrete event simulation | optimization via simulation | design of experiments | production planning | process improvement

Notes

1. The decoupling point is also known as Order Penetration Point (OPP), Customer Order Decoupling Point (CODP), or Customer Order Point (COP).

2. Analytic hierarchy process.

3. Coefficient of variation.

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