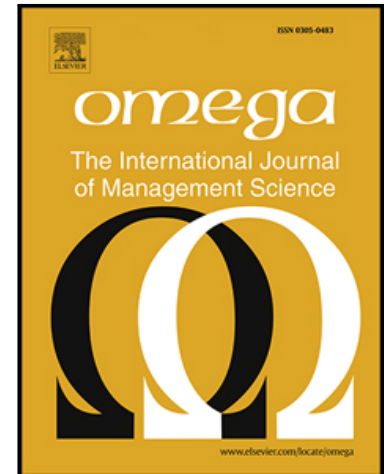


Accepted Manuscript

Resequencing mixed-model assembly lines with restoration to customer orders

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PII: S0305-0483(16)30912-4
DOI: [10.1016/j.omega.2017.11.006](https://doi.org/10.1016/j.omega.2017.11.006)
Reference: OME 1850



To appear in: *Omega*

Received date: 23 December 2016
Revised date: 26 November 2017
Accepted date: 29 November 2017

Please cite this article as: F. Taube, S. Minner, Resequencing mixed-model assembly lines with restoration to customer orders, *Omega* (2017), doi: [10.1016/j.omega.2017.11.006](https://doi.org/10.1016/j.omega.2017.11.006)

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Highlights

- We propose a model for optimizing mixed-model assembly sequences for suppliers.
- The model is constrained by the restoration of a customer sequence via mix banks.
- A limited look-ahead approach solves problems of practical sizes in a small time.
- Savings of $> 50\%$ against producing the customer sequence are realized on average.
- The results give insights into the design of capacity and parameters of the system.

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