

## Performance-Improving Solutions for Dynamic Resource Scheduling

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Markets for  
Dynadec's  
solution include  
shipping &  
transportation,  
retail and  
consumer  
packaged goods,  
oil and gas,  
and general  
manufacturing.

**Dynadec's optimization systems deliver game-changing cost savings and operational efficiencies to large enterprises and mid-market companies looking to optimize the performance of their manufacturing and dynamic operations.**

Dynadec has developed the world's most advanced software platform for delivering next-generation optimization systems that enable any complex organization to quickly maximize its productivity.

Dynadec's team of world-renowned optimization experts works with you to build upon its proprietary Comet™ software platform to deliver complete turnkey systems designed for your specific needs and applications. Dynadec's Dynamic Resource Scheduling solutions provide customers with models for managing their day-to-day operations, including the scheduling of manufacturing assets, the scheduling of people, and the management of supply. These solutions consider factors such as supply, demand, tooling costs, and manufacturing bill of materials and tooling schedule to enable customers to quickly cut costs while increasing productivity.

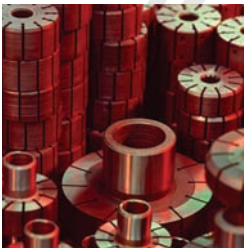
### Examples of where Dynadec can help include:

- Reducing manufacturing downtime by optimally scheduling manufacturing resources to minimize tool downtime
- Increasing output by delivering an optimized schedule that optimizes output while minimizing labor and resource costs
- Dynamically re-optimizing the schedule based on changing demand, supply, and labor and raw material costs

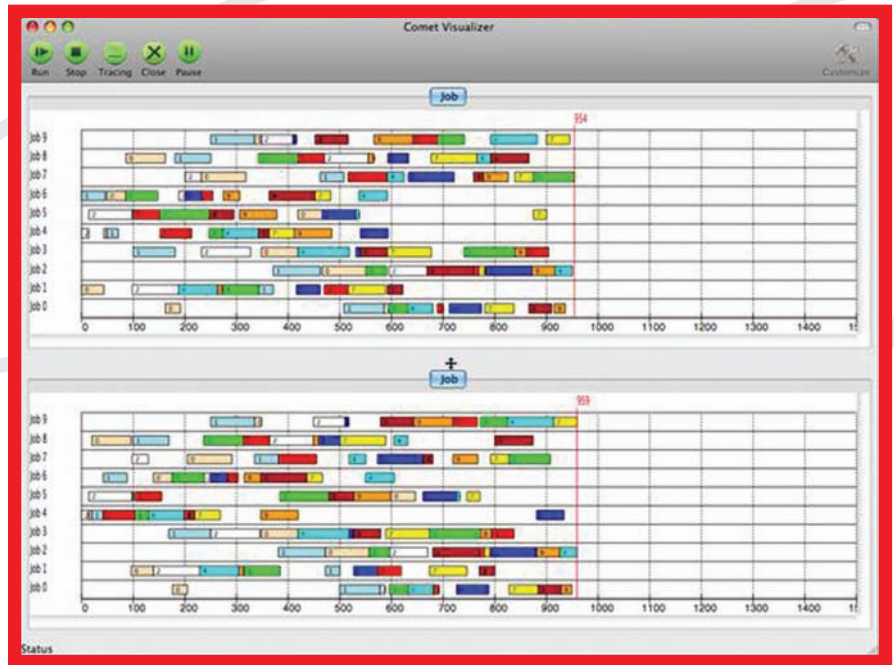
### About Dynadec:

Dynamic Decision Technologies, Inc., d.b.a. Dynadec, was formed to commercialize the inventions of the Optimization Laboratory at Brown University. Dynadec maintains an exclusive license to Comet™. This next-generation optimization platform, which uniquely combines techniques for Constraint Programming, Mathematical Programming, and Constraint-Based Local Search, dramatically simplifies the design and implementation of optimization algorithms while preserving the efficiency of low-level, problem-specific implementations. The result is an award-winning, proven technology platform that can be harnessed for solving complex combinatorial optimization problems in areas such as resource allocation and scheduling.





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*Example of Dynadec Dynamic Scheduling to optimize output and minimize costs in manufacturing*

Dynadec's unique solution incorporates every important variable, including supply, demand, tooling costs, and manufacturing bill of materials and tooling schedule, to produce a schedule of all manufacturing jobs and the appropriate resources allocated to them at each time to increase output at the most minimal cost, no matter how tight the timetable.

