

Newly Released Video Shows How To Improve Efficiency Of Industrial Companies

The video compares manual and optimized approaches of cutting linear materials like bars, pipes, profiles, etc. It demonstrates the superiority of the cutting optimization in a clear and obvious way.

May 5, 2011 (FPRC) -- Skyrocketing raw material costs constantly force manufacturing and construction companies to improve their overall productivity. One of the easiest ways to reduce the material scrap and the production time is employment of the length-cutting optimization methods. Optimalon Software released a new educational video entitled "How optimization improves efficiency in linear material cutting". The video demonstrates the benefits of the optimization methods in industrial applications.

Cutting is one of the most common activities for woodworking, glass production, metalworking and construction companies. It is easy to understand the important role it plays: supplied materials are produced in standard length, and they must be cut according to the project's specifications.

Most companies do not think about how to cut the materials. When a project comes along, the companies just order more materials than necessary and cause an overstock problem. Since the prices of raw materials (copper pipes, lumber and steel bars) are increasing, the operating costs follow suit and companies face financial difficulties.

Fortunately, the length cutting optimization method is a robust and effective way to solve these problems. It provides a cutting plan and shows exactly how to cut the linear material and how much to order. The video compares the manual cutting approach against the optimized approach with several simple examples.

The last example on the video is an actual project from the flat glass production industry. The project required customized flat glass panels of different sizes. The operator company used to manually cut the aluminum frames according to the project specification. The length-cutting optimization method saved two stocks out of 14 and left almost no material waste. More importantly it reduced the project time from hours to minutes because the cutting plan specified precisely the sizes and amount of stocks to order.

The video is three minutes long and freely available on YouTube:
<http://www.youtube.com/watch?v=plq0yNrT4oQ>

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