



# **Slashing Data Entry Time & Improving Product Quality**

Manufacturing - Case Study



### Products

Bill of Materials Wizard  
Item Wizard  
Routing Wizard

### Company

Avery Dennison

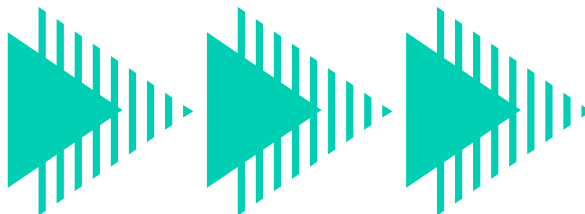
### ERP System

E-Business Suite

### Industry

Manufacturing

Find out how a manufacturer slashed data updates from six months to 24 hours without staff overtime and improved product quality by using More4apps' out-of-the-box solutions.





## The Client

Avery Dennison is a global materials science company specializing in designing and manufacturing a variety of labeling and functional materials.

Headquartered in Glendale, California, USA, the company employs over 30,000 employees in more than 50 countries.

Avery Dennison focuses on improving the efficiencies and quality of its manufacturing operations and enhancing best practices to achieve better business results.

## The Challenge

As Avery Dennison's Data Management Coordinator Josh Evangelista is responsible for setting up and maintaining the routings within the manufacturing process.

Manufacturing routings sometimes referred to as production routings, is the route followed during each step of the manufacturing process when transforming components and raw materials into a final product.

Routings show the production flow that is required and hold master data that captures the process and resource requirements of a given item.

The routing provides instructions on how to use the items, in what sequence, and how many items.





Avery Dennison has embarked on a project to restrict certain items and to use specific machines in the manufacturing process. This should improve product quality, reduce rework and stock write-offs, and limit returns to improve customer satisfaction.

The project was trialed at one manufacturing plant, allowing the team to focus and refine the procedures before rolling it out across other sites. For this trial site, there were over 24,000 routing updates needed.

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*Trying to update 24,000 records just would not have happened manually in the time frame required. We would still be working on them six months later.*

*Without the More4apps products, we'd probably need a few more people just to keep the data up-to-date and be able to run projects like this would require lot of overtime!*

*- Josh Evangelista, Data Management Coordinator*

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To complete these adjustments, Avery Dennison could hire new staff or increase the amount of overtime for its employees, but these options were less than ideal.



Hiring new staff members would stretch the budget and put a constraint on existing resources. Whereas increasing overtime for current staff would take away work/life balance.

Failing to modify records caused implications for the production line, which, results in missed order deadlines.

Evangelista and his team needed a solution to improve the speed of accuracy of their data loading into the manufacturing master data.

Furthermore, to align with pertinent deadlines, the solution needed to be implemented quickly and with minimum fuss.

## The Solution

Avery Dennison relied on the [More4apps suite of product](#) solutions to update the 24,000 lines.

With the [More4apps Wizard](#), Avery Dennison achieved this data load in 24 hours rather than 6 months.

[IMore4apps](#) gave Avery Dennison employees back their work/life balance as they no longer needed to work overtime nor did the company have to hire additional staff.




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*Using the Routing Wizard was pretty straightforward. Doing the updates manually for 24,000 records would just be out of the question. The Wizard allowed me to update 1,000 routings per hour, while the process running in the background on my PC, allowing me to multitask.*

*It's pretty nice. Using More4apps is certainly much easier to use than manually loading data, said Evangelista.*

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A black and white photograph of a man with a beard and glasses, wearing a dark t-shirt, working on a mechanical component. He is using a tool to adjust or assemble the part. The background shows a workshop or factory setting with shelves and equipment.

The [More4apps Routing Wizard](#) improved data accuracy and prevented machine malfunctions and better product quality. Staff monitored data from within a familiar Excel spreadsheet, where data was validated and errors amended before loading data into Oracle. Should any errors appear, they would be returned to the spreadsheet for review.

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*Data accuracy is probably the next biggest thing. Just loading data through Excel is so much easier than people manually punching information via the keyboard and making mistakes that are outside of the timeliness.*

*Data quality improvement flows onto the production lines. There certainly can be times where machines can go down if something isn't correct, shared Evangelista.*

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## Next Steps

Since finding success with [More4apps solutions](#), Avery Dennison is confidently using its tools throughout more of its locations.

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*From our perspective, it's been huge, especially the routing and BOM wizards because there's no way of really doing that outside of these products.*

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