

## SUCCESS STORY

# MIELE RELIES ON ADICOM<sup>®</sup> SOFTWARE SUITE AS MES SOLUTION

Miele, a leading household appliance manufacturer, has opted for the Adicom Software Suite for its production site in Lehrte, Germany. The Manufacturing Execution System (MES), Adicom Software Suite, is intended to increase efficiency and transparency in single-part and sheet production.

The first stage of the project saw the reconfiguration of the plant's die-cutting area for producing professional cleaning appliances. Miele introduced new storage technology as well as new die-cutting machines and nesting software.

The material and information flows for die-cutting are automatically controlled by the Adicom Software Suite. For this purpose, mySAP ERP generates production jobs that are transferred to the Adicom Software Suite's control center. The MES solution then supports the entire production process – from controlling the production jobs and work steps (including resources), to transport jobs for material flows, right up to reporting on the production data. Besides the Advanced Planning & Scheduling system, this also involves the MES solution modules for Warehouse Management & Transport Control and Shop Floor/ Machine Data Collection.

The die-cutting process starts with a fully automated sheet storage plant. The facility acts as raw material supplier (sheet metal) and as intermediate storage for semi-finished products. Transfer to and release from stock is handled via fixed identification points. From there, a sheet feeder feeds the sheets into the die-cutter. Finally, the actual die-cutting process takes place.

The sheet and the die-cut semi-finished products are then transferred back to storage via the identification point.

A second project stage will see Miele optimizing the entire production process, resulting in comprehensive production scheduling. This means, for instance, that alongside die-cutting the MES system will also support folding and coating of the sheets. With the integrated MES solution, Miele will be able to create planning and production jobs including the required production resources – such as machines, equipment, and materials. In addition, the solution is intended to serve as a central, integrated control point for the storage and transport functions required by material supply.



*"The new integrated system raises our die-cutting production process to a new level. We can design processes more efficiently and flexibly to create maximal transparency. The Adicom® Software Suite gives us all the functions we need for this classic MES project."*  
 Thilo Fuchs, Project Manager for the Die-Cutting Production Process

### About Miele

Miele is the only global premium brand for household appliances and commercial devices for laundry, dish-washing, and disinfection to be represented on all five continents. Developing new products, fully harnessing market potential in the 37 countries that have their own sales companies, as well as building up new markets form the cornerstones of Miele's strategy. The family-owned company was able to expand its unrivaled global market leadership as premium brand in the 2005/2006 business year (June 30).

The Miele Group increased turnover by as much as 12% to €2.54 billion, of which 30% was earned in Germany and 70% abroad. Miele considers this turnover growth as a confirmation of its business strategy aiming at quality and sustainability. *"We develop and manufacture all our household appliances to have a lifespan of 20 years and can count on stable consumer potential all around the world,"* explains Dr. Eduard Sailer, the managing director responsible for technology. *"Miele's continual growth has always been a result of technological leadership and constant innovation."*

