

SUCCESS STORY

Pharmaceutical Industry

GENERATING €190K IN REVENUE

A YEAR OF PRODUCTION SUCCESS IN PHARMACEUTICAL COMPANY.

Achieved a 6% increase in yield and enhanced production efficiency by automating granulation

CHALLENGES:

The optimization of the granulation process within the Fluid Bed Dryer. The objective was to streamline this procedure, eliminating the time-consuming manual control tests and sampling, which averaged around 20 minutes. In addition, to avoid wasting energy by stopping the process for controls.

BACKGROUND:

This company has been one of the largest pharmaceutical companies in the world. In 2015, a new opportunity was opened in the company to increase productivity, expand capacity, and foster innovation within its production. The focal point was to enhance the granulation process through inline measurement toward refining their fluid bed dryer operations.



USE CASE:

By incorporating TEWS sensors into the Fluid Bed Dryer, the company achieved remarkable transformation. The process now stops automatically when the ideal humidity level is reached. Directly from the inline process, the company eliminates the need for manual sampling and frequent recalibrations in each granulation procedure.

RESULT:

With an investment of approximately 100k€ in two TEWS systems, the pharmaceutical company achieved a game-changing advancement in the granulation process. The results were remarkable: a 6% increase in production and a remarkable reduction of around 300 hours of labor annually. This translates into a significant financial gain of +190k€, factoring in material costs and manual labor, over the course of a year's production.

€100K	+6% - 300 WORK	€ 190K
INVESTMENTS	HOURS/YEAR PRODUCTION	EARNINGS

*TEWS technology is often considered as a competitive advantage and therefore, we are not at liberty to reveal the real name of the related parties.