

VISUM Inline quality control system helps pharma manufacturers optimize one of their key production processes

Developed by Visum Ltd, an Irish optical engineering company, this revolutionary process monitoring and quality control system has been installed at the facilities of a well-known Spanish pharmaceutical manufacturer for automating the blend point determination, with successful results in terms of process optimisation and time-cost reductions.

VISUM is a young tech startup with facilities in Nexus UCD (Dublin, Ireland) that has been awarded a €1.3 Million investment from the European Commission under the H2020 Framework Program's SME Instrument, in order to accelerate its technology to the market with a powerful value proposition for the process industries of bringing laboratory analytical capability to the production line. VISUM's affordable new spectroscopy-based analyser is capable of being integrated in the production line (adaptable to any type of conveyor belt, pipe, blender, etc.) for automating the quality control process and ensuring that all product units undergo non-invasive analysis in continuous mode, saving time and costs for the manufacturer and contributing to standardised quality.





As part of SME Instrument project, the VISUM Inline system has been installed in an important pharmaceutical manufacturing company to improve the blending process with the potential to reduce the processing time by at least 20%.

Currently, the vast majority of pharmaceutical manufacturers have to extract samples of the product from the blenders and analyse them in the lab to determine if the mixture is homogeneous. This leads to time losses, not only because the analysis itself is not automated, but also because the process is not optimised as the determination of the optimum mixing point is based on lab trials and not on real-time data.

The integration of the VISUM Inline system into the blending machine, enables the automated control of the blending process and provides a real-time analysis of the homogeneity of the mixture for process end point determination, thereby saving time and money.

Seeing new data; the basis for Industry 4.0

VISUM Ltd (<http://www.visum.ie/>) is a Dublin-based optical engineering company that develops and integrates spectroscopy and other photonics devices for real time process monitoring and quality control. The company was established in 2014 and currently employs a team of 10 engineers.