

NEW TECHNOLOGY FOR IMPROVED INDUSTRIAL PRODUCTION



Problem – Challenge

Industrial coatings are a multi-billion Euro business including liquid paint and powder coating in automotive and architectural industries as well as thermal spraying in energy and aero industries. Annually, an estimated 100 billion Euro worth of coating material is processed. Around 10%-20% of this coating-material is wasted due to over-coating because reliable and unproblematic process control of the coating thickness is unavailable. However, even more critical and cost intensive is the lack of integrated process and quality control to detect deficient products directly after fabrication. Growing shortages of resources as well as ecological and quality awareness is moving process-integrated control into the focus of decision makers.

Solution

Our revolutionary CoatMaster measurement system determines the coating thickness during production allowing a closed-loop control of the coating process. This enables the coating industry to save money and to take ecological responsibility as well as to protect itself against liability claims. The CoatMaster distinguishes itself by its safe, fast, noncontact and nondestructive operation. Our customers use the CoatMaster to modernize existing production lines, allowing rapid response to process deviations. This saves them production time and prevents defective goods. Using the CoatMaster the run-in time for new coating materials is decreased dramatically and the personnel necessary to operate the coating line is significantly reduced. The consumption of coating material and the environmental footprint is optimized to the minimum. The CoatMaster is developed in collaboration with our industrial partners Wagner and Akzo Nobel.

