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OrgaTEX BI Production Report

SETEX offers potential access of Industry 4.0 in the textile production

As a technology supplier for textile finishing, SETEX automation and software solutions pave way to Industry 4.0. With SETEX controllers and OrgaTEX optimization software, they offer structured integrated solutions into early-stage production processes and optimize resources. A well-organized breakdown of costs is a fundamental challenge when it comes to preparing a detailed analysis of existing cost structures and identifying new potential for profit gains.

The requirements of Industry 4.0, which will entail changes to production and business processes, create exciting possibilities for machine and textile manufacturers. SETEX supports during this process and develop IT solutions for single machines right up to entire digital factories. Integration into the respective production environment and optimal support of the responsible staff are decisive for the high degree of acceptance and effectiveness of their production-related systems.

By using the latest technologies and by running a large number of service and sales stations worldwide SETEX has become one of the worldwide leading specialist for automation systems in dye houses and finishing plants. Leading technological competence is the base to safeguard and expend this market position.

OrgaTEX BI analyzes show the influence of a machine, a process or the production environment on the production result.

OrgaTEX Energy Management and the power of the Plant Navigator algorithms balance the resource consumption of water, steam, gas and electricity with the production machines.

Costs of machine downtime and penalties for late deliveries affect the effectiveness of production. To prevent this, the OrgaTEX Maintenance Manager calculates when the best time for maintenance is. The integrated solution with condition monitoring of the machines, visualization at the controls and criteria evaluation in the MES system ensures, in sync with the detailed planning, that maintenance work fits into the production process. Integrated digital machine documentation and recommended spare parts are contributing significantly to a more efficient production.

The OrgaTEX-inteos Manufacturing Operations Management (MOM) - sometimes referred to as production management - involves process execution along the entire textile production chain, from fiber to product and from recipe to delivery.

In response to OEM customers, they have further developed the proven camera mount CamCount V3 technology to perform image and database analysis on a single SETEX C390 DIN rail mount controller.

OrgaTEX supports the current trends in the Industry 4.0 environment and enables textile production mills to optimize processes and save costs individually. The goal is to provide a consecutive integration of intelligence for production that can be extend individually at any time.

SETEX Manufacturing Execution System OrgaTEX.MES software is designed in modular form to provide managers of textile dye and finishing mills with the information they need. This innovative system is made for real-time data acquisition and interpretation. Process data of each connected machine can be seen in real-time during the running process or analyzed later on. Third party integration of color kitchen systems helps to manage the dye house and improves data transparency. ■ ■