T Data

Trützschler T-Data data monitoring system

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Trützschler T-Data data monitoring system

T-Data is a web-based data information system for Trützschler TC cards and TD draw frames. A SECUROMAT SP-FPU foreign parts separator in the blowroom can also be connected. The machines' operating and quality data are captured is stored centrally. The data is displayed on web-enabled terminals.

The concept

T-Data is an economical data management system with the following functions:

- **Capturing data**

- **Archiving data**

- **Processing and displaying data**

- **Exporting data**

The data is captured on the machines automatically

The cards and draw frames are connected to a data collection point via a serial interface which is referred to as the gateway. Up to 32 machines can be connected to this kind of gateway. The connection between the gateway and the central PC is a standard Ethernet connection.
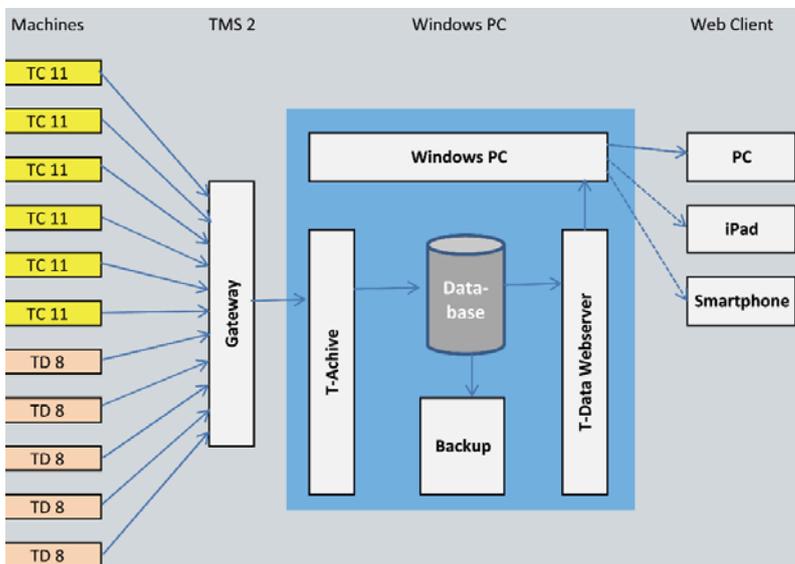
Settings or operations are not required on either the card or the gateway. Data is transferred automatically.

The central computer stores the data

A Windows PC receives all the data from the gateway or gateways. The data is archived in an extremely speedy database either directly on this computer or externally. In this case, we therefore

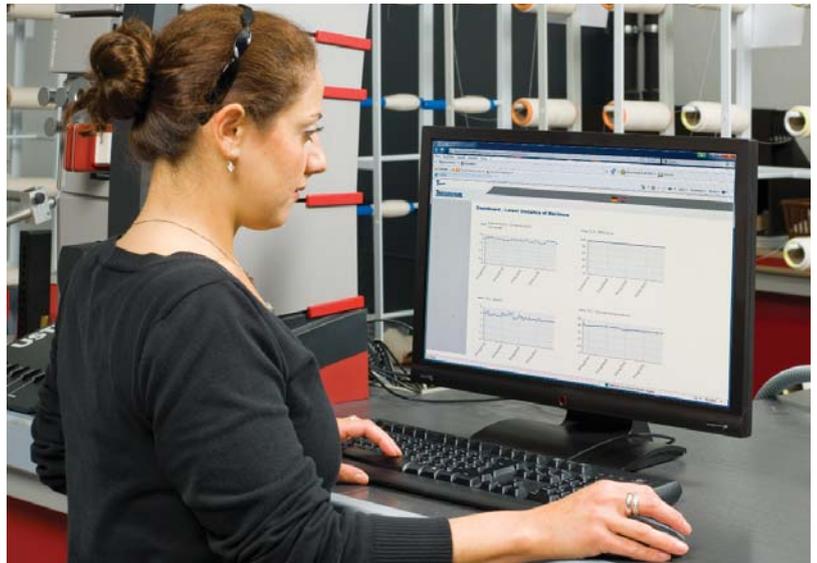**Data collection point gateway in a spinning mill**

refer to what is known as the „T-Archive". A high-performance back-up system is also integrated. The database is also the docking point for possible special customer data transfers to an in-house ERP system.

T-Data structure

The web server is the interface to the user

The T-Data web server runs on a Windows-compatible PC. It can be the same computer as used for the T-Archive. This is where all individual user settings are made. The user can choose which data he wishes to view and which diagrams are to be generated. A comprehensive T-Data encyclopaedia shows him numerous options.

T-Data is browser-based. This makes for simple, intuitive operation.
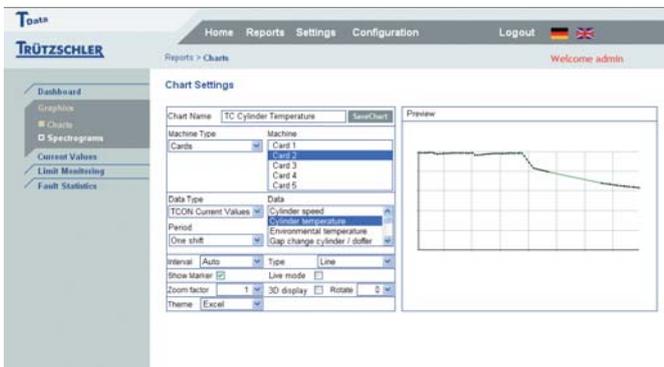
Individualisation means more effective data management.

The pre-settings included on delivery make individualisation easier. If these pre-settings are accepted with the typical spinning mill data, T-Data functions as a plug and play system.
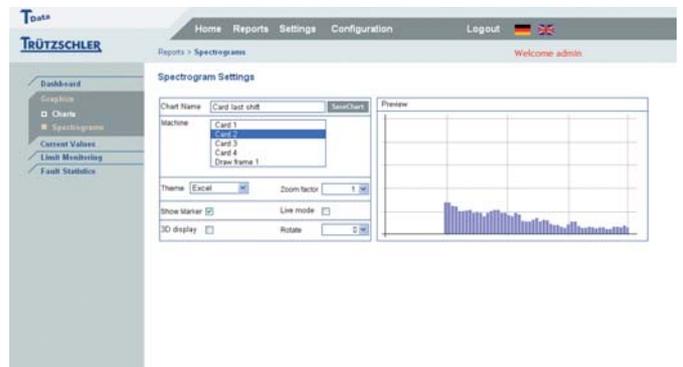The user also has the option of compiling favourites. They can be defined individually using the reports and diagrams provided.

The type of display can also be selected. Thus production data from several cards, for instance, can be viewed in one single diagram or fault statistics can be generated. These fault statistics contain information on machine downtimes as a result of missing cans or the number of sliver breaks, for instance.
The user can also export data to Excel at any given time. There is an automatic function for this purpose which exports the data at the touch of a button.
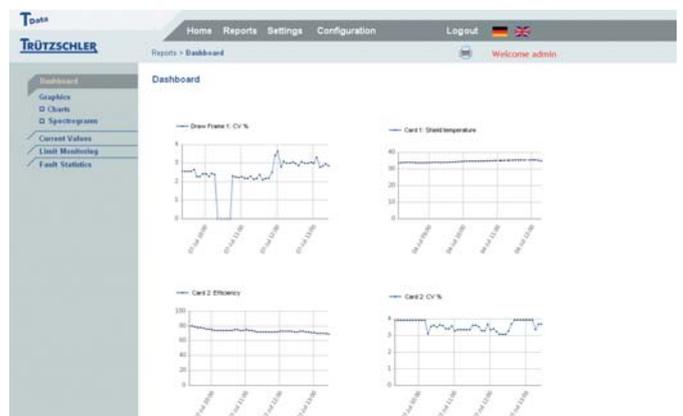

In this example information from the card's T-Con is shown

What should the spectrogram look like? This can be set individually

Current or historical spectrograms for the carded and drawn slivers can then be displayed and compared.

The dashboard function facilitates the individual compilation of reports and diagrams. This is where CV values with temperatures and efficiencies, for example, can be displayed in parallel.

Data transfer to mobile terminals

T-Data also provides the option of accessing the data from mobile terminals, such as tablet PCs or smartphones, at any given time. For this purpose the special live mode function is of particular interest. This mode of course also enables the user to view the current data, i.e. view data live, from any fixed workstation PC.

The web client function includes the use of commercially available terminals, such as iPads and smartphones.

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