

How TQR3000 works

Instead of processing all transactions through a single channel/bottleneck within the central processing unit, TQR3000 uses distributed intelligence which allows direct interaction among all core components. This enables TQR3000 to provide a faster throughput. TQR3000 is as suitable for new installations as well as upgrading existing ones.

Standard Version Hardware

TQR3000 Standard Software
PLC / Control
PC with Windows
Modem for Support

Options available:

Barcode Reader
Printer
Data backup



Software Features



Essential parameters such as times, temperatures, flows, error messages, flightbar and transporter motions are visible at a single glance. For detailed information one simply targets the desired element with a mouseclick.



From the start-up to storage, in the pre-treatment baths and during operation, the progress of the flightbar can be followed and in some special circumstances can be manually intervened.



Additional windows guarantee clearly structured display and control. Installation, implementation status, goods movement, vibration, automatic metering and much more.



Visually represented by color and motion graphics, each chemical bath can be controlled or observed. The individual determination of bath parameters follows automatically upon alteration of a single valency.



To prevent the early shift from beginning with a long wait, some procedures can be controlled by the automatic timer. The settings can be individually altered to a weekly or daily basis, according to need.

STANDARD

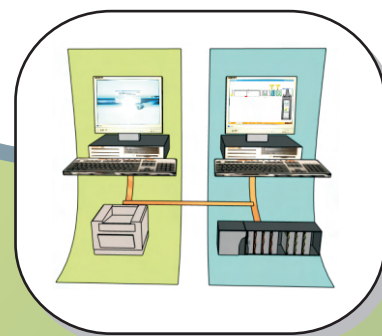
Maximize with Enterprise

On the software side, the Enterprise Version is based on the Standard Version. In addition to the Plant PC and the PLC/control, there is an Office PC that also works as a Data Server.

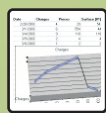
The Office PC is used for administration and observation of the Plant. The user can create sequences and articles, keep track of loadings and has the full statistical features. The data is stored on the Server's Oracle Database and provides the information on the network. The network is based on TCP/IP Ethernet and therefore can be connected to the company network and Internet.

Statistics can be generated at the Office PC and exported to Excel. Loading sheets and Flightbar information can be printed out anytime.

The Enterprise Version can be extended to five Office PC's, and is capable of TQRWeb and TQRTraveller.



For each part of the plant facility, procedures, plating orders, scheduling and interventions, a wide range of information combinations can be called up and analyzed. In this way statistics are an important element in the continual improvement process.



In order to evaluate the statistics quickly and efficiently all data obtained can be transferred to Excel or Intranet. Thus the entire potential is available through graphics and calculations.

ENTERPRISE

WORKSTATIONS

X-ARM Workstation

Easily position flat panel monitor and keyboard for maximum comfort and productivity



TERMINAL Workstation

Monitor, printer, computer and equipment are stored inside, safe from environment. Keyboard and Mouse can be pulled out on a table if needed.



Workspace

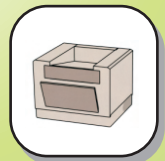
Ergonomic, height adjustable table that provides enough space to work and line up equipment.



For more Information contact:

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Network Printers for automatic printed Loading Sheets and Worktravellers



TQRweb

TQRWeb is the gateway for the company to fully integrate the wet-process into the production. The internet-based application allows the user to access, modify and track jobs within the production process. Update others and yourself in Newsgroups and share Information in Discussion Forums.

Barcode Reader RFID Chips RFID Readers and Controls



Barcode Label Printer RFID Chip Program RFID Label Printer



TQRTraveller - the Tracking Tool.
Organize, schedule and overview your Production process. Manage Customer datas, specify Products, Prices and much more. Print out Worktravellers with Barcode or RFID Labels to minimize error.

The software allows the user to track the job's within the Production and intervene anytime. Open connections to common Databases and Internet make it possible to connect to existing systems, or spread the information for customers.

Office Computer Data Server / Web Server VMware solutions



EXTRAS