



Data Collection for the Shop Floor

riteTIME is what you need for easy and accurate touchscreen data collection. Designed with the manufacturing process in mind, riteTIME provides real-time data tracking for designers, line employees, maintenance personnel and management reporting.

riteTIME is specifically designed to automate the tracking of jobs, work orders and maintenance items which have historically been tracked manually.

With riteTIME, shop floor data is typically tracked using touchscreen monitors or touchscreen computers, however engineers can also track their work on products before it goes to production by using their desktop PC.

The touchscreen terminals are typically located on the shop floor, conveniently positioned where production line employees can enter job information as they work.

Engineers or designers typically work at a desktop PC. With riteTIME loaded on their desktop PC, engineers and designers can track the work they do on jobs and work orders without leaving their work area.



riteTIME on a touchscreen

This is an overview diagram of the riteTIME system and its relationship to other systems. The system utilizes an open Microsoft SQL Server database for data storage and processing.

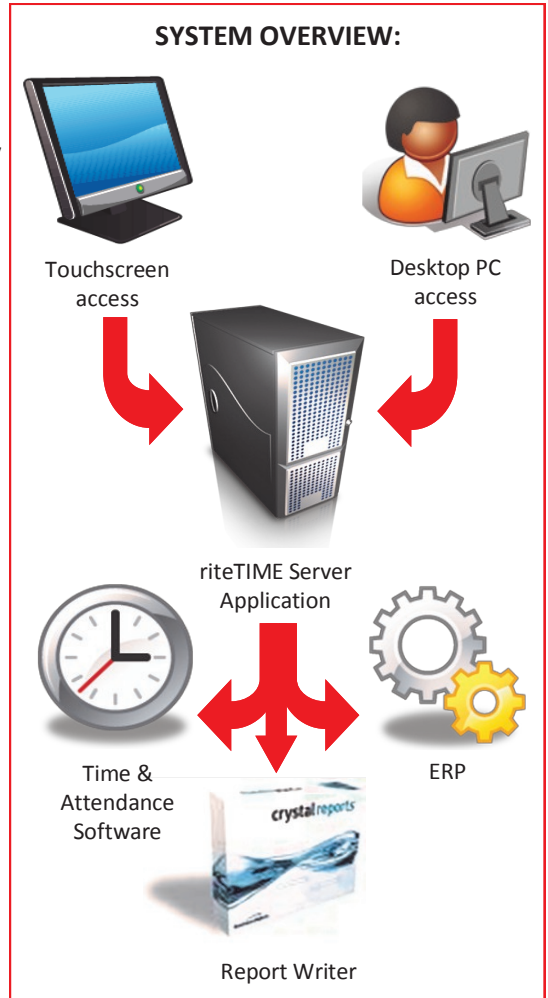
Integration to other systems is typically performed by simply changing SQL Stored Procedures to retrieve desired data and populating other SQL based systems. Validations and other ERP data elements can be retrieved in real-time from other SQL based systems, thus providing real-time listings of available jobs, operations and other required data.

The riteTIME system is a self-contained production data tracking system. It can run completely independent of other systems or in conjunction with ERP, MRP, time and attendance or other systems. It uses a Microsoft SQL Server backend for data storage and manipulation. Transactions are recorded in real-time and are instantly available for reporting or updating to other systems. riteTIME was designed to be a user-configurable system that the client can setup and determine the operational processes that will be tracked.

RECENT ENHANCEMENTS

- ▶ Group transactions – this allows a supervisor or lead person to punch in a group of employees all at once instead of each employee logging in separately. The supervisor/lead person can add time-clock punches, job punches and other transactions by simply selecting the employees to receive the punch and riteTIME will automatically record a punch or hours amount for all of the selected employees.
- ▶ Individual employee lookup and editing by supervisors - supervisors can view and edit specific employees times on demand.
- ▶ Standardized Import/Export Module – this module is used to import and export data between riteTIME and other systems such as ERPs and accounting systems. Standard formats are provided so the client can format their data to be imported and automatically populated in the riteTIME system. Standard exports are also provided to extract pertinent information from riteTIME to be used in other systems. The export also includes standard format files (csv) for use in Excel and other applications.
- ▶ Variance Reporting Module – this is a report which analyzes the time worked on jobs (tracked by riteTIME) and data retrieved from a time and labor application where employees clock in and out for payroll. The report is a comparison between what the employee is getting paid for and the hours they actually logged into on jobs.
- ▶ Instant Searches – used to instantly lookup jobs, operations and other tracked data to see where the product is and what work had been performed for that product.
- ▶ Updated graphical interface

SYSTEM OVERVIEW:



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- ▶ Default Entry Values by Terminal – Each terminal can be assigned a set of default values which will automatically populate the information when punching on a particular terminal. This is very useful when the client needs to record the work center for jobs and have it default to a particular value based on the terminal when the employee is punching.
- ▶ Viewing Grids With Column Sorting – all grids allow the employees and supervisor to instantly change the sorting by simply touching the title bar for the column they would like to sort by. Touch the title bar once and sort ascending, touch the title bar again and sort descending.
- ▶ Viewing Grids Date Range Filtering – all viewing grids in the system allow the employee or supervisor to select the data range of data to view.
- ▶ Multiple Jobs (Job Sets) – this feature allows employees to “group” jobs together when multiple jobs are all started and stopped at the same time. When the employee Stops the job set, they can divide the hours evenly for each job, each job receive the full amount of time or divide the time by job according to quantities entered for each job.
- ▶ Indirect Hours Entry – clients can enable or disable employees to enter Indirect Hours.
- ▶ Multilingual Support – the riteTIME Terminal application currently supports English, Spanish and French.

FEATURES:

- ▶ Backend database is Microsoft SQL Server 2000 or higher
- ▶ The SQL database is an open database which provides for flexible reporting and integration
- ▶ Employees can track jobs from a touch screen computer or their desktop
- ▶ Real-time data collection
- ▶ Instant access to information
- ▶ User-definable prompts for information to capture
- ▶ No more timesheets or job cards
- ▶ Touch screen terminals/desktops can span multiple time zones
- ▶ Type in or scan job data
- ▶ Virtual keyboard is provided for touch screens
- ▶ Job and/or time clock punching (depends on the time clock system)
- ▶ Up to 10 pieces of data can be collected for each transaction in addition to the employee, date/time, creator ID, editor ID, total time, terminal used and other information
- ▶ Supervisor functions on touch screens and desktops
- ▶ Supervisor approval of transactions
- ▶ Parameter-driven server application which allows the client to determine how riteTIME functions
- ▶ Raw data entry, popup list selection and validation
- ▶ Security Options definable by employee, supervisor and terminal for enabling and disabling features
- ▶ Easy archiving of old data
- ▶ Integration to other systems such as ERP systems (discuss with your riteTIME representative)
- ▶ riteTIME runs on any PC running Windows 2000 or higher and .Net 2.0
- ▶ Menu items and transaction operations can be enabled or disabled
- ▶ Job operations use icons just like a CD player which is very easy for employees to use
- ▶ Punch In/Out just like on a time clock (if enabled)
- ▶ Time can be tracked in real-time or entered as hours
- ▶ Employees can view punches over date range
- ▶ Limit employees to work only one job at a time or multiple jobs
- ▶ Enable/Disable editing even down to the employee level
- ▶ Default jobs, operations and other prompts for employees that typically work the same jobs
- ▶ Supervisors can edit their employees' transactions
- ▶ Supervisors can filter by transaction types
- ▶ Supervisors can Approve/Disapprove individual transactions or all transactions for their employees
- ▶ Supervisors can Add, Edit and Delete transactions
- ▶ Supervisors can instantly see who's logged in
- ▶ Display your own background image in the application window
- ▶ Passwords can also be assigned to employees when logging in
- ▶ Employees can be selected from a dropdown