MIE TRAK PRO

MANUFACTURING SOFTWARE REVIEW **BY SHELDON NEEDLE**

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Executive Summary

MIE Trak Pro is a state of the art, Windows-based, client/server application for job shops, engineered to order, make to order and custom manufacturers. It is written using the current Microsoft .net technology and Microsoft SQL Server database structure MIE Trak Pro is a complete package handling all aspects of a manufacturing business. It's designed to be as efficient as possible by minimizing data entry thereby reducing mistakes, saving time and money. MIE Trak Pro is completely integrated from RFQs & Quoting, Sales Order Entry, Work Orders & Tracking, Purchasing & PO Receiving, Shipping & Invoicing and Accounting.

Implementation and Support

With every customer a technical support person is assigned as the primary contact to work with during implementation and to communicate with programming staff for adding needing features.

MIE Solutions programming staff allows a unique capability of working with our customers to customize their system. When a customer wants another capability MIE people will review it with them and, in most cases will add the feature to the source code and and reports as requested.

MIE Trak Pro comes with TeamViewer, an internet tool, allowing you to grant access to the support person to see your monitor remotely to help with the customization of reports and answering questions by showing you and your employees how to do something.

MIE Trak Pro is used widely in the Metal Working Job Shop industry dealing with Automotive,

Defense, Aerospace, Medical, Electronic, Farm Equipment, Food & Restaurant Equipment, etc.

MIE Solutions feels its product is superior to most job shop programs due to the following capabilities:

- More customizable (formulas, reports)
- Very large Assembly visibility
- Work order module flexibility
- Less clicks
- Easy/Simple installation updates, no install on client required
- Regular updates
- Performance on sales order reports, MRP, work order release
- Multiple windows open simultaneously
- Dual monitors support
- Large screen support
- Better Drill Down
- RFQ module
- Accounting, Post/Unpost, transactions, back dating
- Cell Mfg
- Handles dimensional material
- Multiple quotes per item
- Multiple routers per item

Training

MIE Solutions offers internet, classroom and on-site training. Internet training is one on one or in groups that can be scheduled around your time requirements and are structured to cover what you would like to cover. Three day classroom training sessions are regularly scheduled and cover the general implementation and overview of MIE Trak Pro. Advanced classes are held as requested to fine tune your utilization of MIE Trak Pro. On-site training and consulting can be scheduled with one of our consultants to help implement and fine tune the way you are utilizing MIE Trak Pro to run your company.

Overview of MIE Trak Pro Features

MIE Trak Pro is a complete ERP software program and includes the following modules:

RFQ (Request For Quotation)

The RFQ module gives you the ability to log all request for quotations from your customers for one or more items in a central place. You can assign each item or the entire RFQ to an estimator and create an approval process to review the RFQ before submitting it to the customer. The submission can be done electronically through email or printed and hand delivered. It provides information on the number of quotes generated where orders have been received and the value of the orders over a specific time period.

Quoting and Estimating

The Quoting module gives you the ability to create detailed quotes for single detail items as well as complex assemblies with operations, bill of materials and tooling.

Sales Order Entry

The Sales Order module gives you the ability to create sales orders from RFQs or enter Sales Orders from scratch.

Electronic Sales Order Import

The Electronic Sales Order Import module gives you the ability to import sales orders from a csv file reducing data entry errors saving time and money.

Work Orders

The Work Order module gives you the ability to create work orders that go to the shop floor for the quantity that you want to produce on a single run. If you have more than one way to produce the item you can choose the router for the work order according to how you want to produce it at the time. It calculates the BOM requirements for the quantity being produced with visibility to purchasing of projected on dock dates. With the use of data collection (MIE Kiosk, IPad, Windows tablet, Ethernet barcode stations) you have real time tracking and cost accumulation.

Work Order Nest

The Work Order Nesting module gives you the ability to nest multiple work orders together using the same material and modify the sheet size to what the programmer nested the items on which is then visible to purchasing. It simplifies the log in for the operator and the allocation of the material to the work orders on the nest.

Scheduling

The Scheduling module gives you the ability to see work center capacities and where you currently stand including which work centers are overloaded and where you have excess capacity.

Quality Control

The Quality Control module gives you the ability to record discrepancies due to returns for the customer, in-process manufacturing issues and rejections when receiving items from your suppliers. You define the rejection reasons, the disposition of the items, the failure type if applicable and a corrective or preventative action if required. The rejection reasons, dispositions and failure types are all user definable.

Inspection

The Inspection module gives you the ability to record inspection information consistently for each work order customized to the item processes every time you produce the item. You can easily get statistical data from these records.

Engineering Change Request

The Engineering Change Request module gives you the ability to manage engineering changes during the production process through notes and attached documents.

Purchase Order Requests

Purchase Order Requests gives you the ability to have employees send requisitions electronically that have been submitted for approval, along with purchase orders created for them, by a few simple clicks. It also provides visibility of who requisitioned the item when the item is received.

Purchase Orders

The Purchase Order module gives you the ability to buy from the work order bill of material requirements to the job or to inventory. You can create blanket purchase orders and issue releases as required.

Purchase Order Receiving

The Purchase Order Receiving module lets you receive items and attach certification documents to the specific item and have the system track the certified items and issue them to work order(s), then have the certification documents automatically print when shipping the items to the customer. When the invoice from the supplier is received you can match it to the receiver and post it so that it is automatically added to aged payables and the general ledger. MIE Trak Pro has the ability to automatically accrue the payable and then reverse it out when the invoice is received.

Inventory Control

The Inventory module gives you the ability to set each item to do physical inventory counts based on a number of days. The system will keep track of the last date a physical was taken of the item and when it is due to be counted again.
The system supports KANBAN, and MPS on user selected items that is used in the MRP module.

Invoicing

The Invoicing module gives you the ability to create invoices from sales orders or from scratch. When you post the invoice it is automatically added to aged receivables and the general ledger.

Manifest

The Manifest module gives you the ability to record multiple packing slips/invoices on a single shipping document.

Accounting

The Accounting module gives you the ability to have aged receivables, aged payables and general ledger all integrated into the ERP software using MIE.'s accounting or with QuickBooks

MIE Trak Pro uses work orders to track and accumulate costs. Parts are completed to finished goods inventory from the work order which reduces WIP inventory and increases Finished Goods inventory. However the general ledger isn't updated until a journal entry is done.

Time Clock

The Time Clock module gives you the ability to track payroll hours and define how to calculate

regular, overtime, double time, vacation, sick as well as other types of user defined hours. You can also have the system accrue vacation and sick hours based on how you define them.

Human Resource

The Human Resource module gives you the ability to keep records on each employee about their education, certifications, emergency information, performance appraisals, warnings and written notices.

Repair & Maintenance

The Repair & Maintenance module gives you the ability to create preventive maintenance work orders for standard maintenance as well as emergency work orders for fixing equipment. You can schedule equipment for recertification. You can manage spare parts inventory and schedule warranty work on equipment.

Query Builder

The Query Builder gives you the ability to develop your own queries and reports from the existing database.

Project Maintenance

The Project module gives you the ability to manage large projects that have multiple RFQs and quotes, multiple customer purchase orders and sales orders. Project management tracks quotes, sales orders, work orders and shipping and invoicing.

Whiteboard Scheduling

The Whiteboard scheduling module provides drag and drop scheduling and contains customer and vendor centers along with executive management overviews to ensure that each user has access to real-time data updates.

Optional Programs

MIE Kiosk

MIE Kiosk gives you the ability to clock in and out to collect data on work orders, issue bill of material items on the work orders, access to drawings on the shop floor and give your employees the ability to add comments to work order collection records. You also have the ability to change work order priorities and have it reflected on the shop floor instantaneously.

MIE Apps

MIE Executive Summary app provides an overview of Month-to-Date, Quarter-to-Date, and Year-to - Date Financials along with Sales Order Status, Purchase Order Status and Work Order Status.

The ability to use Windows-based tablets and IPads for accessing MIE Trak Pro is provided by using remote desktop.

CRM

MIE Trak Pro gives users the ability to manage customer relations with the integration of Web-based Workbooks CRM. Workbooks CRM has been integrated with the syncing of the customers and vendors along with the linking of A/R aging for each customer.

Data Collection Hardware

MIE Trak Pro uses Ethernet barcode stations for data collection as well as wireless barcode devices.

Pros
- Capabilities match those of much more expensive systems

Cons

- Lacks a configurator

About Sheldon Needle

A former CFO, consultant and software designer, Sheldon Needle has authored or co-authored more than 20 books on software selection and has contributed articles to major publications, including the Journal of Accountancy and Nation's Business. CTSGuides.com has the distinction of being the very first company to do hands-on, independent evaluations of software for the middle market.

Sheldon speaks with business owners and managers every day about software selection and makes personalized recommendations based on their needs and budget. He is widely known and respected throughout the business software community for his independence, integrity and expertise.

As part of registering for our free software selection kit, you receive a 15-minute consult with Sheldon. Sheldon understands financial and business issues and speaks your language.

He knows the leading software companies—how they compare, their strengths and weaknesses, where they fit into the market and which ones would be suitable for your business.