



PRODUCTION

Keep your finger on the pulse of production

Production is where it all comes together. Your software must be able to tell you today's production status, what is going to happen next, and what happened yesterday. The TRAVERSE Manufacturing Production application is up to the test. Online inquiry into existing production orders shows percentage complete based on time and materials and gives you detailed information of the status of each production process.

Once created, production orders can be edited via the visual editor in a drilldown manner for the flexibility many manufacturing environments require. Activity recording can be imported from an external source such as an automated time card or bar code data collection system, or it can be entered manually.

A variety of worksheets can assist you in this process. Each one has a specific focus in terms of what to pull, which operation to run, and where to go next. Special worksheets help expedite subcontracted processes.

Visual tools such as videos and pictures are readily available to assist in the process. A sophisticated dispatch process allows you to set the production sequence to keep things moving smoothly.

Extensive variance reporting enables you to see when, where—and, most importantly—why variances took place in terms of time, usage quantities, and final production.

The screenshot displays the TRAVERSE Enterprise Edition software interface. The main window is titled "MFG - Production" and contains a tree view on the left with options like Inquiry, Production Orders, Release Production Orders, Edit Released Orders, Dispatch Production, Record Production Activity, Record Labor Time, Import Production Activity, Post Production Activity, Generate Orders from Sales, Reports and Worksheets, History and Variance Reports, Productivity Reports, Setup and Maintenance, Periodic Processing, and Master Lists. The right pane shows the "MP - Production Orders" form. It includes fields for Order No (00000001), Location ID (MN0002), Assembly ID (4517), Revision No (003), and Brake Handle Attachment. Below these is a table with columns: Release, Customer ID, Qty, Unit, Est Finish Date, Est Start Date, and Status. The table contains three rows of data. At the bottom, there are buttons for "Generate Reqs" and "Options", and a status bar showing "Form View" and "NUM".

Release	Customer ID	Qty	Unit	Est Finish Date	Est Start Date	Status
001	Bet023	15.0000	EA	12/31/2005	12/17/2005	New
002	Alt008	32.0000	EA	1/15/2006	1/1/2006	Firm Planned
003	Mic035	10.0000	EA	1/21/2006	1/7/2006	New

The Production module provides you with several approaches to recording production activity to make data entry as efficient as possible.

Production Features:

- handling of lot tracked and serialized inventory
- multiple releases per production order
- visual drilldown and production order editing
- priority based dispatching
- online or batch release of orders
- online updating of inventory quantities
- problem tracking by variance code
- bar code printing on worksheets
- multiple costing methods
- online status inquiry of ongoing production
- multimedia references for operations and materials
- multiple units of measure
- optional automated generation of production orders from sales orders
- optional interface to Sales Order, General Ledger, and Payroll
- variance analysis for time, material usage, and production
- backflushing at multiple levels
- scrap history

Production Reports:

- Sales Order Analysis
- Production Schedule
- Requirement Availability
- In Process Status Report
- Production Picking List
- Order Traveler
- Dispatch List
- Subcontracted Services Worksheet
- Work in Process Valuation
- Employee Time Log
- Work Center Load Profile
- Cost Variance Analysis
- Time Variance Analysis
- Quantity Variance Analysis
- Production History
- Variance Code History
- Variance Codes Master List

Production Order Entry has extensive traceability back to Sales Order for make-to-order environments.

The visual explorer approach to editing orders makes changing the routing on component makeup easy and accurate.