

SYSPRO

Work in Progress

SYSPRO Work in Progress module is the cornerstone of the system's Manufacturing Solution. It allows you to issue work orders, develop schedules, and track costs associated with the manufacturing process. This solution provides you with complete control of the manufacturing process and the ability to see up-to-the-minute, work-in-progress information.

The Work in Progress module allows the material required to produce a product to be automatically merged from the corresponding Bill of Materials. All of the required paperwork to move the job through the shop can then be generated from each work order, including travelers, picking sheets, dispatch sheets, and operation tickets.

The Work in Progress system enables you to post material usage and labor in real time and in batch mode. It also enables variance reporting to be produced between estimated costs and actual costs of each job.

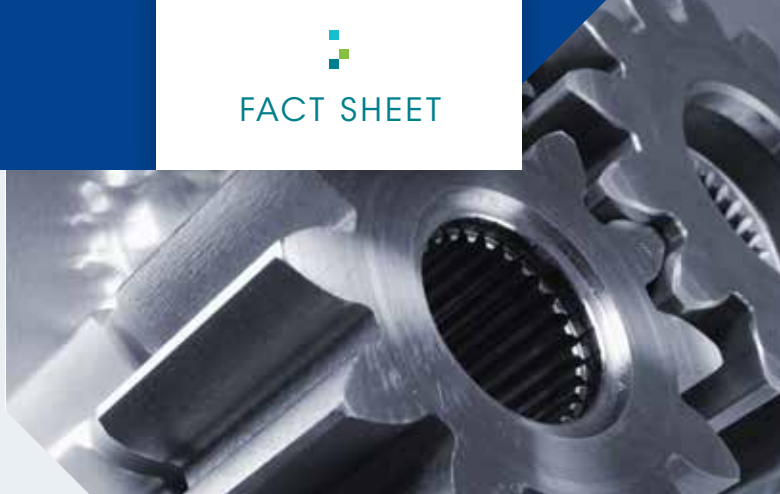
Labor transactions can be posted through kit issues, manually or imported into the system from a data collection interface. Material allocations can be issued to a job through kit issues, or manually and optionally allow for the substitution of a material allocation when performing kit issues.

The benefits of Work in Progress

- Management of production activities in a variety of manufacturing environments
- Monitor and control material, operational costs, production overheads, resources and scrap per job
- Monitoring of job variances between actual and standard
- Analysis of efficiency and utilization of shop floor elements
- Scheduling of jobs according to production calendars
- Identification of overloaded work centers
- Automatic creation of jobs from sales orders, quotations and material requirements planning
- Management of co- and by-product production
- Trial kitting for checking availability of materials/ parts, including different versions of change-controlled parts
- Milestone and subcontract operations
- Multi-level job queries
- Factory documentation and job archiving
- Secured to authorized operators

Work in Progress features

- Define work center and productive unit capacity
- Create jobs for standard or custom products
- Issue materials and labor to jobs in kits or by item
- Post labor at standard or actual employee rate
- Import job receipt, labor and timesheet data
- Integrate with bar code data collection systems
- Record costs incurred on sub-contracted operations
- Receive completed items into inspection or directly into inventory
- Create rework jobs as required
- Automatically issue materials when a work order is released, or you can specific issue materials
- You can also use the "backflush" method to issue materials, labor, and overhead when a work order completion is recorded
- Link purchase orders to jobs to expedite receiving
- Determine standards for machines and employees
- Optionally include non-productive time in job costs
- Optionally receive manufactured product into an alternate warehouse, or as a different item
- Create sub-jobs with automatic transfer of values to the master
- Calculate due dates on a forward, backward, finite or manual basis
- Place jobs on hold to suspend processing
- Reserve stock for allocations at the time of confirming a job.
- Reserve and track lot and serialized items for jobs
- Recalculate expected costs
- Archive completed jobs as XML documents



SYSPRO Work in Progress

Integration with SYSPRO

- Inventory
- Purchase Orders
- Sales Orders
- Return Merchandise
- Bill of Materials
- Lot Traceability
- Projects and Contracts
- Product Configurator
- Quotations
- Requirements Planning
- Factory Documentation
- SYSPRO Factory Scheduling
- Accounts Payable
- Assets Register
- Cash Book
- General Ledger
- Activity Based Costing

Audit trails and reporting

- Complete audit trails of all transactions
- Comprehensive reporting, including percentage completed, detail tracking, job status and job variances
- Provides extensive labor analysis
- Detailed screen query shows current job status, activity to date and expected activity
- Work center dispatch lists
- Non-productive time and scrap analysis
- Work center, employee and machine efficiency analysis

The screenshot displays the 'Job Query' window in SYSPRO. It is divided into several sections:

- Job Details:** Shows information for Job 00000513, described as a 'Bicycle'. It includes fields for Job status (Confirmed), Hierarchical job (No), Has sub jobs (No), Master job, Customer (Show), Stock code (B100), Stock code description (Bicycle), Long description (Parent), and Rev/Rel.
- Additional Information:** Contains two cost analysis tables:

Original expected costs	
Material (unit)	2,821.99000
Labor (unit)	216.25000
Total (unit)	3,038.24000
Material (total)	2,821.99000
Labor (total)	216.25000
Job total	3,038.24000

Current expected costs	
Material (unit)	0.00000
Labor (unit)	0.00000
Total (unit)	0.00000
Material (total)	0.00000
Labor (total)	0.00000
- Material Transactions:** A table listing transactions for various stock codes:

Stock code	Description	Quantity is...	Wh	Uom	Entry date	Refer...	Transacti
B111	Diamond Frame	1.000	SA	EA	08/04/2012	00000...	
B112	Drive Train Asse...	1.000	RM	EA	08/04/2012	00000...	
B113	Handle Bar Asse...	1.000	SA	EA	08/04/2012	00000...	
B114	Radially Spoked F...	1.000	SA	EA	08/04/2012	00000...	
B115	Radially Spoked ...	1.000	SA	EA	08/04/2012	00000...	
- Material Transaction Details:** A detailed view for Stock code B111 (Diamond Frame), showing:

Stock code	B111
Description	Diamond Frame
Quantity issued	1.000000
Uom	EA
Transaction value	622.15
Product class	SA
Lot	Show
Journal	59