



MS Dynamics AX Add on Job shop Management

Microsoft Dynamics AX for Job shop Management helps organizations to plan, track and analyze their service operations, which helps them to have an enhanced overview of their costs and revenue and also to improve their profitability.

BUSINESS CHALLENGE

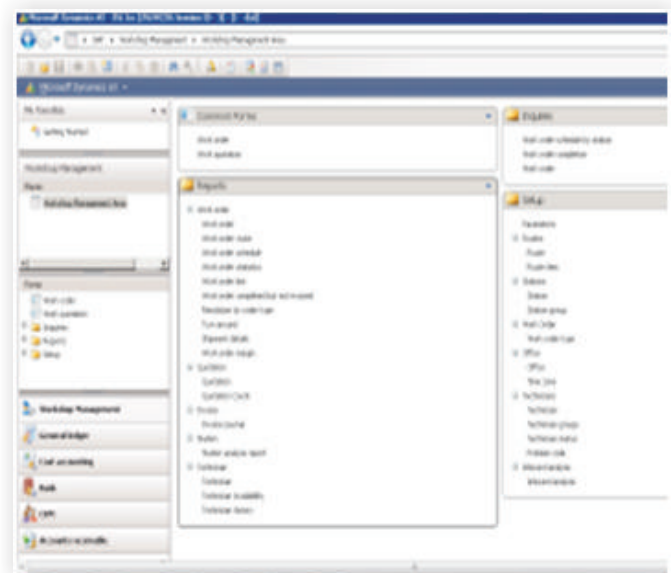
- Multiple lines of businesses – New Vehicle sales, after sales support, spare parts distribution etc.,
- Multi–Job shops
- Lack of co ordination among service activities and scheduling of work
- In efficient utilization of resources

SOLUTION

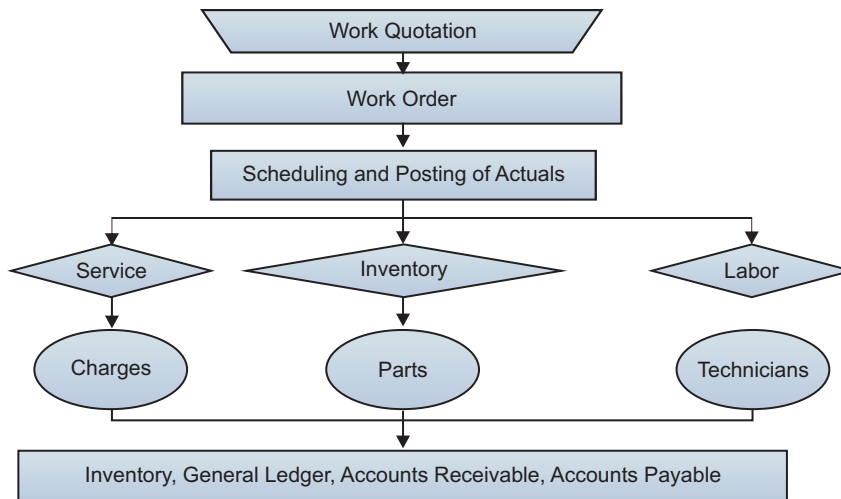
- An integrated Microsoft Dynamics AX Add on Job shop Management system is integral to achieve the improved performance and efficiency.
- The solution is designed to meet the needs of dealers with service after sales service operation
- Automation of scheduling of stations as per routes based on the nature of repair for each work order
- Definition of capacity for each station and technicians. System performs availability check for better utilization of resources
- Order processing for internal and third party services Predefined work order processes helps to track the status and also to identify the deviation

KEY FEATURES

- Integrated with all core modules of AX
- User- Friendliness and Total flexibility to scale-up
- Risk free migration from old systems
- Accurate Billing
- Automatic scheduling of work
- Automatic update of orders
- Measurement of Actual vs Budgeted hours
- Graphical analysis of activities
- Real time inquiry into orders
- Shipment tracking details
- General Ledger update for all transactions
- Tracking of labor and inventory consumption for each work order



Job shop Management Process



Execution

- Quotation/Estimate
- Inbound analysis done by a supervisor
- Route assigned based on initial diagnosis
- Estimate is converted into a Work order
- Job gets scheduled in stations
- Tasks/Cost elements are posted
 - o Service
 - o Labor
 - o Parts

Status changes into Completed

- Invoicing customers

The screenshot shows the 'Workshop M...' window with a list of work orders. The 'General Ledger' window is also open, showing a summary of costs.

Quotation	Customer account	Item	Stock unit	Quantity	Price	Status	Unit
W5200005	4000	Car-648	8	4	APR	Confirmed	W3P4r
W5200006	4000	8-pax1	4	APR	Confirmed	W3P4r	
W5200007	4000	8-pax2	4	APR	Confirmed	W3P4r	
W5200008	4000	8-pax3	4	APR	Confirmed	W3P4r	
W5200009	4000	8-pax4	4	APR	Confirmed	W3P4r	
W5200010	4000	Car-648	4	APR	Confirmed	W3P4r	
W5200011	4000	Car-648	4	APR	Confirmed	W3P4r	
W5200012	4000	Car-648	4	APR	Confirmed	W3P4r	
W5200013	4000	Car-648	8	APR	Confirmed	W3P4r	
W5200014	4000	CL-0016	8	APR	Confirmed	W3P4r	
W5200015	4000	8-pax1	4	APR	Confirmed	W3P4r	

Type	Particulars	Quantity	Unit price	Debit	Credit	Account
Item	CL-0016-C	1.00	1,200.00	1,200.00		
Service	SubParting	5.00	45.00	225.00		
Labor	hour-100-1	1.00	90.00	90.00		

Routing and Station Scheduling

- Define the routes
- Assigns the routes to a work order on the basis of repairing requirements
- Scheduling work stations/Station groups for each route
- Modify the stations capacity as per change in process
- Performs availability check of work stations and technicians at all stages for better management of resources.
- Route wise profitability and station wise performance can be tracked

Financials

- Invoice hours, materials and costs spent
- Post non-invoice able for cost overview, such like warranty work

The screenshot shows the 'Station: Chec-1, Checking One' window with scheduling details.

Station pre time	Station post time
09:00	17:00

Days	Start time	End time
Monday:	<input checked="" type="checkbox"/> Start time: 09:00:00 am	End time: 05:00:00 pm
Tuesday:	<input checked="" type="checkbox"/> Start time: 09:00:00 am	End time: 05:00:00 pm
Wednesday:	<input checked="" type="checkbox"/> Start time: 09:00:00 am	End time: 05:00:00 pm
Thursday:	<input checked="" type="checkbox"/> Start time: 09:00:00 am	End time: 05:00:00 pm
Friday:	<input checked="" type="checkbox"/> Start time: 09:00:00 am	End time: 05:00:00 pm
Saturday:	<input type="checkbox"/> Start time: 09:00:00 am	End time: 05:00:00 pm
Sunday:	<input type="checkbox"/> Start time: 09:00:00 am	End time: 05:00:00 pm

Planning:

Job shop Management can suggest a route, station (location management) based on the availability, nature of problem code (Skills management) settings you have entered into the system.

Technicians

- ⇒ Hiring technicians
- ⇒ Skill maintenance
- ⇒ Pricing per labour hour (Cost and Sales) for service rendered
- ⇒ Scheduling work force based on availability
- ⇒ Engaging backup technicians
- ⇒ Technician History

Technician group	Description	Cost price	Invoice price
Asst Mech	Assistant mechanic	35.00	50.00
Mechanic	Mechanic	50.00	60.00
Supervisor	Grade A supervisor	100.00	125.00

Tight integration with other modules

Reporting and Inquiry Option

- ⇒ Hiring technicians
- ⇒ Skill maintenance
- ⇒ Pricing per labour hour (Cost and Sales) for service rendered
- ⇒ Scheduling work force based on availability
- ⇒ Engaging backup technicians
- ⇒ Technician History

Business Intelligence

- ⇒ Route Performance
- ⇒ Work Order Type profitability
- ⇒ Route wise profitability
- ⇒ Parts Consumption statistics
- ⇒ Internal Vs External Work orders
- ⇒ Work orders – Demography
- ⇒ Capacity planning
- ⇒ Revenue generation per Station

