

# Work order management and tracking

Automates work order creation, scheduling, tracking, and completion verification for machine shop jobs, ensuring optimal resource allocation and real-time production visibility.

Download PDF

Get Your Blueprint

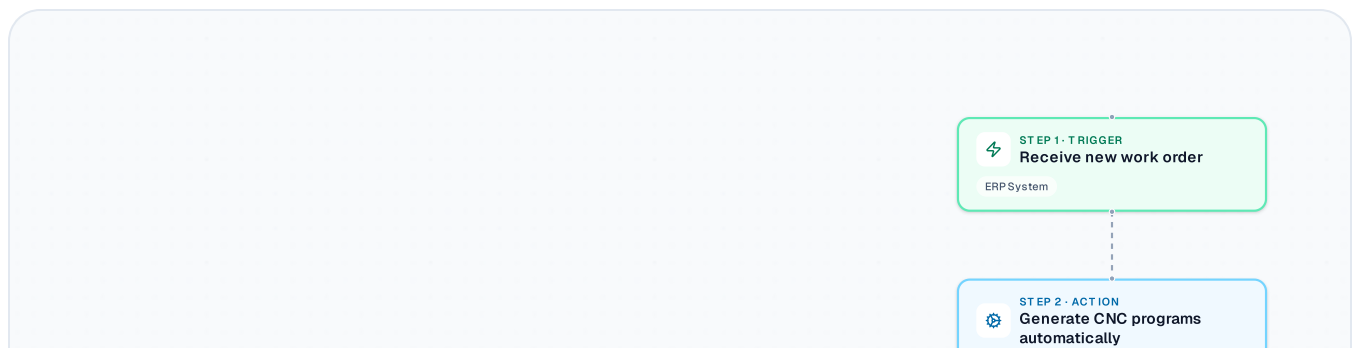


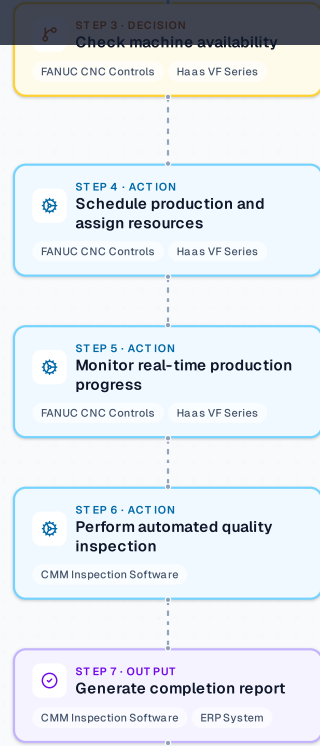
## WORKFLOW TRIGGER

New work order received from customer or sales team

## Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





## Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

## Receive new work order

Work order with part specifications, quantities, and delivery requirements is submitted to the system. Order details are automatically parsed and validated for completeness.

ERP System

2

 ACTION

## Generate CNC programs automatically

CAM software processes part drawings and specifications to create optimized CNC programs. Tool paths and machining sequences are automatically generated based on part geometry.

SolidWorks CAM

Fusion 360

3

 DECISION

## Check machine availability

System evaluates current machine capacity and schedules against required operations. Determines if jobs can be scheduled immediately or need to be queued.

FANUC CNC Controls

Haas VF Series

4

 ACTION

## Schedule production and assign resources

Work order is automatically scheduled on available machines with optimal sequencing. Operators and tooling requirements are assigned based on job specifications.

5

 ACTION

### Monitor real-time production progress

CNC controls provide live updates on machining progress, cycle times, and completion status. System tracks actual versus planned performance metrics throughout production.

FANUC CNC Controls

Haas VF Series

6

 ACTION

### Perform automated quality inspection

Completed parts undergo dimensional verification using CMM inspection protocols. Quality data is automatically compared against specifications and tolerances.

CMM Inspection Software

7

 OUT PUT

### Generate completion report

System produces comprehensive work order summary including production metrics, quality results, and delivery confirmation. Customer notifications and invoicing triggers are activated.

CMM Inspection Software

ERP System



## Outputs

- Completed work order with quality certification
- Production performance metrics report
- Updated inventory and machine utilization data



## Key Metrics

- Work order cycle time
- On-time delivery rate
- Machine utilization percentage



## Tools & Integrations

- SolidWorks CAM
- Fusion 360
- FANUC CNC Controls
- Haas VF Series
- CMM Inspection Software
- ERP System

## AI Business OS

## AI Business OS

Actionable AI implementation strategies for business leaders ready to transform their operations.

### COMPANY

[About](#)

[Industries](#)

### CONNECT

[MVP.dev](#)

[LinkedIn](#)

### RESOURCES

[Articles](#)

