

Automated appraisal and valuation processes

Automates jewelry appraisal processes by capturing item details, retrieving market data, calculating valuations, and generating professional appraisal reports. Reduces manual appraisal time by 70% while ensuring consistent, accurate valuations.

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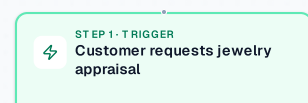


WORKFLOW TRIGGER

Customer requests appraisal service or brings jewelry item for evaluation

Visual Flow

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





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Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Customer requests jewelry appraisal

Customer brings jewelry item to store for appraisal or requests valuation service through online portal. System initiates automated appraisal

2

 ACTION

Capture item specifications digitally

Staff inputs or scans jewelry details including metal type, gemstone characteristics, weight, dimensions, and condition. Digital photos are taken and uploaded to the system.

Jewel360 inventory management

Matrix jewelry software

3

 ACTION

Retrieve current market pricing

System automatically pulls real-time market data for metals and gemstones from trading platforms. Current spot prices and market trends are collected for valuation calculations.

RapNet diamond trading

Matrix jewelry software

4

 DECISION

Determine appraisal complexity level

AI evaluates item characteristics to determine if it requires basic automated valuation or needs expert gemologist review. Complex vintage or custom pieces are flagged for manual assessment.

Matrix jewelry software

5

 ACTION

Calculate automated valuation estimate

System processes item specifications against market data to generate initial valuation using AI algorithms. Multiple valuation methods are applied including replacement cost and fair market value.

Valigara jewelry management

Matrix jewelry software

6

 ACTION

Generate professional appraisal report

Automated system creates detailed appraisal document with item descriptions, photographs, valuation methodology, and certified value. Report includes security features and digital signatures.

Polygon jewelry ERP

JewelMate POS system

7

 OUTPUT

Deliver appraisal documentation

Completed appraisal report is printed, emailed to customer, and stored in customer record for future reference. Digital copy is archived in inventory management system.

JewelMate POS system

Jewel360 inventory management



Outputs

- Professional appraisal report with certified valuation

- Digital archive of appraisal in customer record

AI Business OS



Key Metrics

- Average appraisal completion time
- Appraisal accuracy rate vs. expert review
- Customer satisfaction with appraisal service



Tools & Integrations

- JewelMate POS system
- Jewel360 inventory management
- Matrix jewelry software
- RapNet diamond trading
- Valigara jewelry management
- Polygon jewelry ERP

AI Business OS

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