



AI-POWERED MTR VALIDATION

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TRANSFORM YOUR MATERIAL TESTING WORKFLOW WITH INTELLIGENT AUTOMATION

Material Test Report (MTR) validation is a cornerstone of quality and safety across countless industries. Yet traditional manual validation methods are notoriously expensive, error-prone and time-intensive.

It's time for a smarter approach.

Our MTR validation solution leverages cutting-edge AI, powered by Gemini 2.5 Pro, to revolutionize the process. But we don't stop there. The crucial validation step is handled by our proprietary in-house engine, meticulously trained on ASME and ASTM standards. This ensures not just accuracy, but consistent, bulletproof results.

Built for EPCs, fabricators and QA teams who demand speed, accuracy and traceability.

THE MANUAL MTR PROBLEM

Your current process is costing you more than time:

- 90% slower than necessary due to manual review bottlenecks
- High error rates from human fatigue and oversight
- Compliance risks from inconsistent validation standards
- Resource drain on skilled QA professionals
- Audit headaches from scattered, paper-based records

OUR SOLUTION: COMPLETE MTR AUTOMATION

- Universal PDF Processing – Upload any MTR format from scanned documents to digital files
- Intelligently extract key specs and values
- Our proprietary engine validates against ASME and ASTM standards
- Review low-confidence fields for easy revision, then automatically re-validate
- QA engineers and project managers approve, reject or flag results instantly
- Centralized storage with organized folders, secure sharing and comprehensive access controls

CORE FEATURES AND BENEFITS



AI-Powered Extraction

Auto-captures heat numbers, chemical comps, mechanicals and specs



Code-Based Validation

In-house engine trained on ASME/ASTM; no third-party logic used



Validation Review UI

Guides users through low-confidence fields for easy correction before sign-off and re-validation



Closed System

Validation rules and compliance logic are secure and internally maintained



Digital Sign-Off

Engineers or QA leads can review and approve results within seconds



Audit-Ready History

Track every validation with time-stamped logs and approval records



Secure MTR Management

Store MTRs in organized folders and share with teams or clients



No Model Retention

Our AI models do not retain or store data after processing

THE MANUAL MTR PROBLEM

No inflated projections—just operational wins:

- MTRs validated in seconds, not hours
- QA engineers save dozens of hours per week
- Fewer errors, missed specs, or code violations
- Central access for collaboration, recordkeeping and audits
- No manual signatures or email chains



ROI A 3-person QA team processing 100 MTRs weekly saves 60-80 hours monthly – equivalent to adding a full-time QA engineer without hiring costs.

READY TO TRANSFORM YOUR WORKFLOW?

See the difference AI-Powered validation makes.

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