

Digital Traceability Solution

*Secure, End-to-End Traceability
from Wafer to Assembly*

Entegris has developed a digital traceability solution that gives clear, reliable visibility across manufacturing. It connects each tray, each die, and the exact tray pocket where the die sits to a trusted digital record that cannot be mixed up or altered. The solution is designed for secure, on premises purposes and keeps the full history from wafer through assembly, while ensuring customer and supplier IP remain completely separate.

Key Capabilities

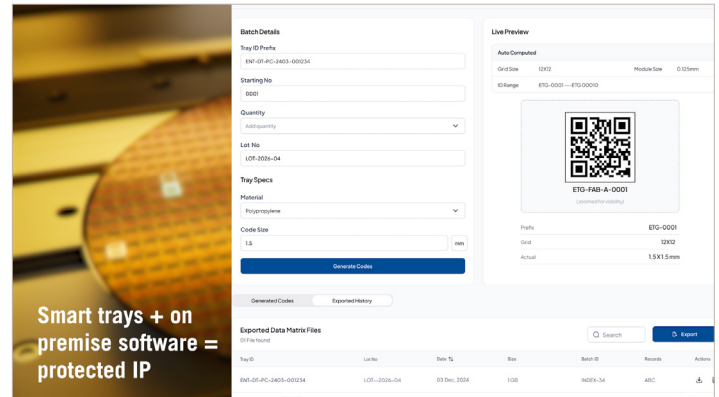
Tray–Die–Assembly Traceability Model – Persistent, immutable die identity anchored to wafer origin, maintained across tray handling and assembly stages.

Zero IP Crossover – Complete separation between customer and Entegris data environments, ensuring strict IP protection with no shared or cross tenant data exposure.

On Premise Standalone Deployment – Self contained installation within customer facilities with optional Manufacturing Execution System (MES) integration.

Permanent 2D Data Matrix Codes – Durable codes applied to trays link physical assets to digital records for fast, reliable identification and scanning.

Event-Based Recording – Every movement and state change is logged, preserving a complete, non-destructive history.



APPLICATIONS

- Wafer-to-die traceability
- Assembly and packaging operations
- Tray and asset movement tracking
- Quality, compliance, and audit investigations

FEATURES & BENEFITS

Security and Data Integrity

- Immutable records
- Permanent physical to digital linkage
- Clear separation of customer and supplier data

Operational Benefits

- End-to-end asset traceability from tray to die to assembly
- Improved audit readiness
- Reduced risk of misassociation
- Strong protection of customer IP

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit entegris.com and select the [Contact Us](#) link to find the customer service center nearest you.

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Corporate Headquarters

129 Concord Road
Billerica, MA 01821
USA

Customer Service

Tel +1 952 556 4181
Fax +1 952 556 8022
Toll Free 800 394 4083

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