

TRACK & TRACE SOLUTIONS

Gressler offers a fully integrated Track & Trace solution to help manufacturers ensure product identification, traceability, and compliance — from production to distribution.

1	Unique code Software Gressler's software provides system integration, system control, and data management. It manages the flow of serial codes, QR codes, and DataMatrix from external code generators to printers and vision systems — ensuring accuracy, consistency of the printing. The system also enables data reporting for production records.
	High-Performance Printers Gressler provides TIJ, TTO, CIJ, DOD and Laser printers designed for precision coding. These printers produce clear, consistent marks — that are easily readable by both humans and automated vision systems
	Vision Inspection System Vision cameras verify every printed code in real time — checking for presence, readability (OCR/OCV), position, and quality.



Applications:

Serial Number, Barcode (Code 128, EAN-13, UPC), DataMatrix, QR Code, GS1 DataMatrix, Invisible Code (UV/IR), GTIN, Lot/Batch Number, Expiry Date Code, Aggregation Code, UID (Unique Identifier), 2D Composite Barcode, Digital Link (GS1 Digital Link)

Industry :

- Food & Beverage: Ensure expiry dates and batch codes are clear, readable and traceable.
- Pharmaceutical & Healthcare: Prevent counterfeiting, meet serialization and regulatory standards
- Cosmetics & Personal Care: Prevent counterfeiting and ensure brand integrity.
- Home & Industrial Chemicals: Manage hazardous product traceability and compliance.
- Building Materials & Packaging: Enable product tracking from plant to construction site.

VISION CAMERA GVS-1400-06

Camera Specifications	
Sensor Type	CMOS, Global Shutter
Pixel Size	3.45 μm $\times$ 3.45 μm
Sensor Size	1/2.9"
Resolution	1408 $\times$ 1024
Max. Frame Rate	60 fps
Dynamic range	71.4 dB
SNR	41 dB
Gain	0 dB to 15 dB
Exposure Time	16 μs to 1 sec
Pixel Format	RGB 8, Mono 8
Mono / Color	Color



Counting & Verification	✓
Defect & Quality Detection	✓
Measurement	✓
OCR/OCV	✓
Logic Tool	✓

Package Includes: High-resolution camera, input/output (I/O) cable, power adapter, and integrated software suite.

