BST
an elexis company

TubeScan digital strobe

Inspection of dynamic 1D / 2D barcodes and OCR

String and barcode verification during print inspection

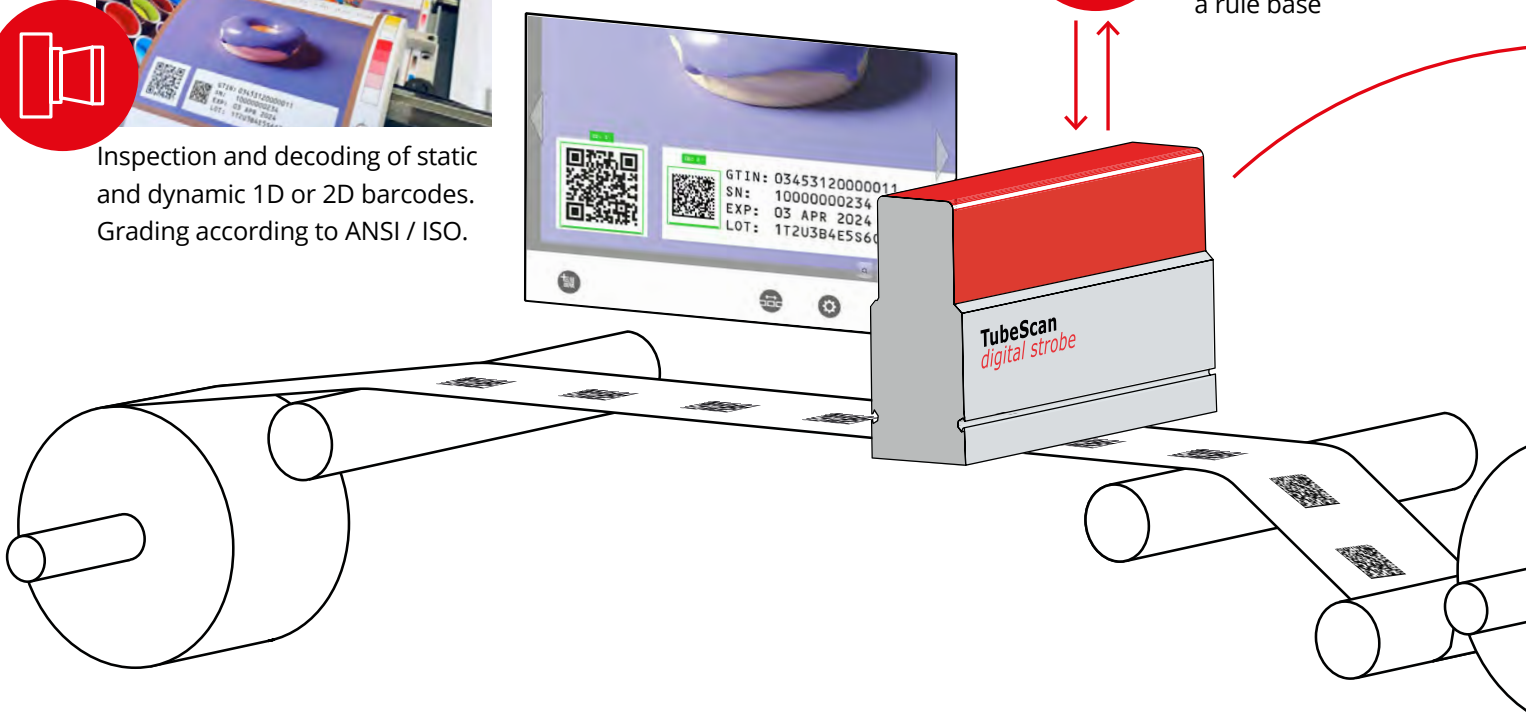
Comprehensive and reliable

Your customers are increasingly demanding barcode-enabled print products, whether for individual product labeling, making goods counterfeit-proof or traceable, marketing purposes such as sweepstakes, or pharmaceutical labeling.
As a print shop, you want to provide impeccable quality and long-term customer satisfaction:

TubeScan allows you to **check**, **decode** and **evaluate strings** and **barcodes** inline. This ensures that barcodes are both complete and correct, and that they function flawlessly. TubeScan operates as reliably and quickly as high-priced inspection systems – at a fraction of the cost thanks to smart BST image processing with matrix cameras.

Inspection and decoding of static and dynamic 1D or 2D barcodes. Grading according to ANSI / ISO.

Comparison with database or validation against a rule base



Inspection of

a) Quality:

- Readability / decodability
- Barcode- / matrix code print quality (verification, ANSI-Grading)

b) Content:

- Decode results, read out, export to list
- Check for sequence and duplicates
- Real-time comparison with code database

Dynamic verification of variable objects

- **Numbers / text (OCR)**
- **Barcodes (1D barcodes): State, Codabar, Code 39, Code 93, Code 128, EAN 8, EAN 13, EAN 14**
- **2D matrix codes: Aztec, Data Matrix, Maxicode, QR code, Micro QR code, PDF417, MicroPDF417, Truncated PDF417**

Further processing / workflow:

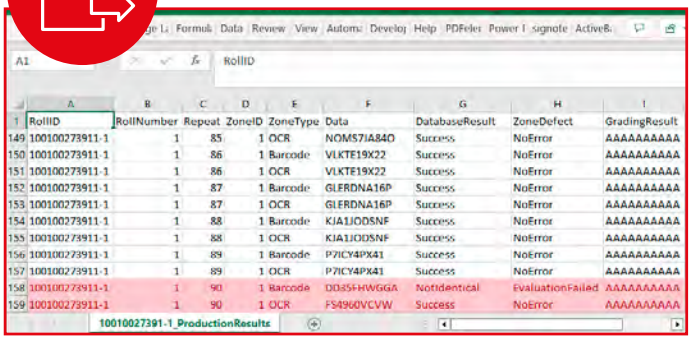
- **Barcode errors are in the inspection report and can be placed on the rewinder.**

so user friendly

- With easy-to-understand, intuitive user interface
- Setup fully automated or with just a few clicks
- On an inspection system you are familiar with

CSV

Export of the results into an inspection report (csv file)

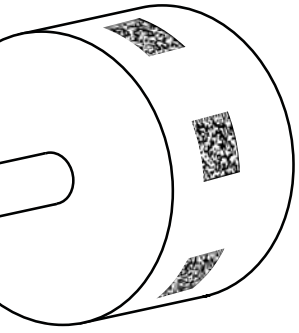


	RollID	RollNumber	Repeat	ZoneID	ZoneType	Data	DatabaseResult	ZoneDefect	GradingResult
149	100100273911-1	1	85	1	OCR	NOMS7IA84O	Success	NoError	AAAAAAAAAA
150	100100273911-1	1	86	1	Barcode	VLKTE19X22	Success	NoError	AAAAAAAAAA
151	100100273911-1	1	86	1	OCR	VLKTE19X22	Success	NoError	AAAAAAAAAA
152	100100273911-1	1	87	1	Barcode	GLERDNA16P	Success	NoError	AAAAAAAAAA
153	100100273911-1	1	87	1	OCR	GLERDNA16P	Success	NoError	AAAAAAAAAA
154	100100273911-1	1	88	1	Barcode	KJA1JODSNF	Success	NoError	AAAAAAAAAA
155	100100273911-1	1	88	1	OCR	KJA1JODSNF	Success	NoError	AAAAAAAAAA
156	100100273911-1	1	89	1	Barcode	P7ICY4PX41	Success	NoError	AAAAAAAAAA
157	100100273911-1	1	89	1	OCR	P7ICY4PX41	Success	NoError	AAAAAAAAAA
158	100100273911-1	1	90	1	Barcode	DD35FHWGGA	Notidentical	EvaluationFailed	AAAAAAAAAA
159	100100273911-1	1	90	1	OCR	FS4960VCVW	Success	NoError	AAAAAAAAAA

10010027391-1_ProductionResults

so fast

Inspection of variable data with simultaneous print inspection at regular web speed



so high-resolution

4k
8k

Original size datamatrix on stamp

8 mm
0.31"

TubeScan image with 55 µm resolution

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