Why Serialization

Track & Trace according to International Standards

The WHO (World Health Organization) estimates that 62% of the medications ordered over the Internet were counterfeit products – an alarming number. The penetration of such products in the global pharmaceuticals market is enormous, presenting a massive danger to users, not only because preparations do not contain the required active ingredients, but also because affected products can have lethal side effects. Therefore, unique traceability is crucial.

Through METTLER TOLEDO PCE comprehensive Track & Trace solutions, used in well over 600 T&T lines worldwide, you are assured a high-efficiency Serialization system to meet legal requirements. Our advanced hardware and software products can be expanded in a modular way, ensuring your investment is future-proof.

Why Serialization?
Various markets like USA, Brazil or Korea require Serialization of medicines already today. In other markets like the EU, regulations are short before release and after a transition period, product lines have to be upgraded in order to incorporate technologically sophisticated coding and image recognition systems that function reliably even at high production speeds.

Due to the rapid increase in counterfeit products, it is advisable to start now in order to be ready in time. A modular system that can be expanded over time offers the perfect solution, giving you the option of easily making improvements, e.g. integration of our software suite in ERP systems and aggregation with our modular machines. This means you can spread the investment over several years as well as counteract the risk of a supply bottleneck at the supplier's end close to the deadline.

Specifications T2810

Print checks
- Detection starting at 2% printing error
- Insensitive to the effects of extraneous light
- Comparison with digital template (PDF) or a camera reference image (teach-in)

Code checks
- Automatic detection of code types, for any number of codes in the field of view
- Interleaved 2/5, Code 39, Code 128, UPC, EAN13, Pharmacode, PDF 417, RSS-14, Datamatrix Code, etc.

Plain text reading
- Pre-registered character sets (fonts) available
- Own fonts can be input

Technical details	T2810
Dimensions (H x W x D)	1908 x 1010 x 700 mm, extension label rolls, 402 mm
Data link LAN connection	100/1000 Mbps
Supply	230 V voltage
Connection	110-120/230 V AC, 50/60 Hz, single phase
Camera	11 megapixel B/W 4008 by 2672 pixels, optional 16 megapixels
Height without Alarmlight	1630 mm
Extension Monitors + Arm	411 mm

Specifications T2811

Print checks
- Detection starting at 2% printing error
- Insensitive to the effects of extraneous light
- Comparison with digital template (PDF) or a camera reference image (teach-in)

Code checks
- Automatic detection of the code types for any code within the visual field
- Interleaved 2/5, Code 39, Code 128, UPC, EAN13, Pharmacode, PDF 417, RSS-14, Datamatrix code, etc.
- 21 CFR Part 11 (optional)

Plain text reading
- Pre-installed fonts
- Quick and convenient teach-in procedure

Technical details	T2811
Dimensions (H x W x L)	1090 x 800 x 525 mm
Data link LAN connection	100/1000 Mbps
Supply	230 V voltage (110V version available)
Connection	110-120/230 V AC, 50/60 Hz, single phase
Camera	11 megapixel B/W 4008 by 2672 pixels, optional 16 megapixels
Lighting	2 x superbright, white LED arrays

ISO 9001
ISO 14001
CE

METTLER TOLEDO Group
Vision Inspection
Local contact: www.mt.com/contacts

Subject to technical changes

EN_US

Track & Trace

Track & Trace
Flexibility
Future-Proof Design

Label Serialization Solutions

Next Generation Integrated Track & Trace

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For more information

METTLER TOLEDO

METTLER TOLEDO
Label Serialization Solutions
100% Verification and pinpoint reliability

The **T2810** is ideal for checking various data on both serially produced and non-serially produced labels. The serialized labels are automatically printed, the entire area is inspected by a high resolution camera and imperfect labels are automatically rejected from the label tape via an electrically driven rejection unit. Ultrasonic fork sensor systems perform counterchecking to ensure defective labels are removed.

Furthermore, different sensitivities can be adjusted in line with the various print areas. The T2810 can be easily integrated into new production lines or added as an upgrade to existing lines, providing a full range of functions and user-friendliness while simultaneously reducing the complexity of your packaging process.

The **T2811** checks all of the printing on labels immediately after the printing operation. Text, graphical elements and bar codes produced by the on-board thermal transfer printer are immediately inspected by an integrated image processing system. Errors in the printed image cause a stoppage of the printing operation so that an operator can remove or mark the faulty label.

In this way, errors can be prevented before the actual labelling; only complete and correct labels are applied to the end product. The T2811 contains an industrial PLC.

T2810
Flexibility in large-area text checks

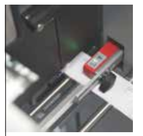
Precise checking of serialized data, large-area mass texts, barcodes and artwork.

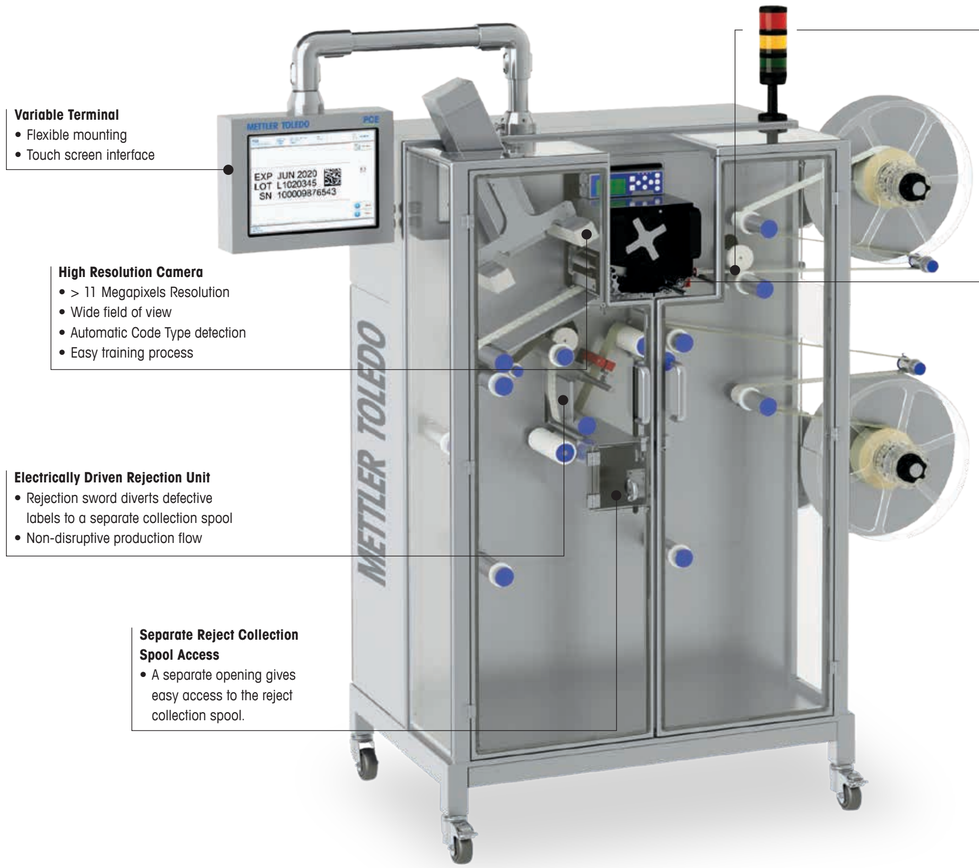

High Resolution Camera


Automatic Print Speed Adaption


Separate Reject Collection Spool Access


Electrically Driven Rejection Unit


Contact-Free Ultrasonic Fork Sensor



Variable Terminal
- Flexible mounting
- Touch screen interface

High Resolution Camera
- > 11 Megapixels Resolution
- Wide field of view
- Automatic Code Type detection
- Easy training process

Electrically Driven Rejection Unit
- Rejection sword diverts defective labels to a separate collection spool
- Non-disruptive production flow

Separate Reject Collection Spool Access
- A separate opening gives easy access to the reject collection spool.

Automatic Print Speed Adaption
- Intelligent spool scheme, compensating print-speed variations
- Automatic adaption to print speed and label size

Contact-Free Ultrasonic Fork Sensor
- Label presence control before/after printing process
- Rejection countercheck

T2811
Compact desktop version for small batches and manual labeling processes

Variable Terminal
- Flexible mounting
- Touch screen interface

Stack Light
- Visualization of inspection result (green: good label; red: bad label, yellow/blue: evaluation)

Cabinet contains
- IPC + UPS + PLC
- Main switch is locked with key

High Resolution Camera
- > 11 Megapixels Resolution
- Wide field of view
- Automatic Code Type detection
- Easy teach-in process

Thermal transfer desktop printer
- Easy to remove (not fixed)
- Bracket for precise alignment