

QT



Fabric inspection terminal

QT (Quality Terminal) is specially designed for the registration of defects on fabric inspection frames. It features a high end 15.6" touch panel PC with a graphical intuitive web-based user interface offering a user friendly interaction with the inspector. A DIN-rail mountable DU7 provides the interface with the frame motor controls, length counter, weighing scale, tagging device and other peripheral equipment. A tablet with a web browser offers mobile inspection and remote monitoring of different inspection frames.

QT can either be used in combination with the BMSvision QUALIMASTER fabric inspection and cutting system or as a stand-alone terminal to assist the manual inspection process, to calculate the grade and to print piece maps and labels.

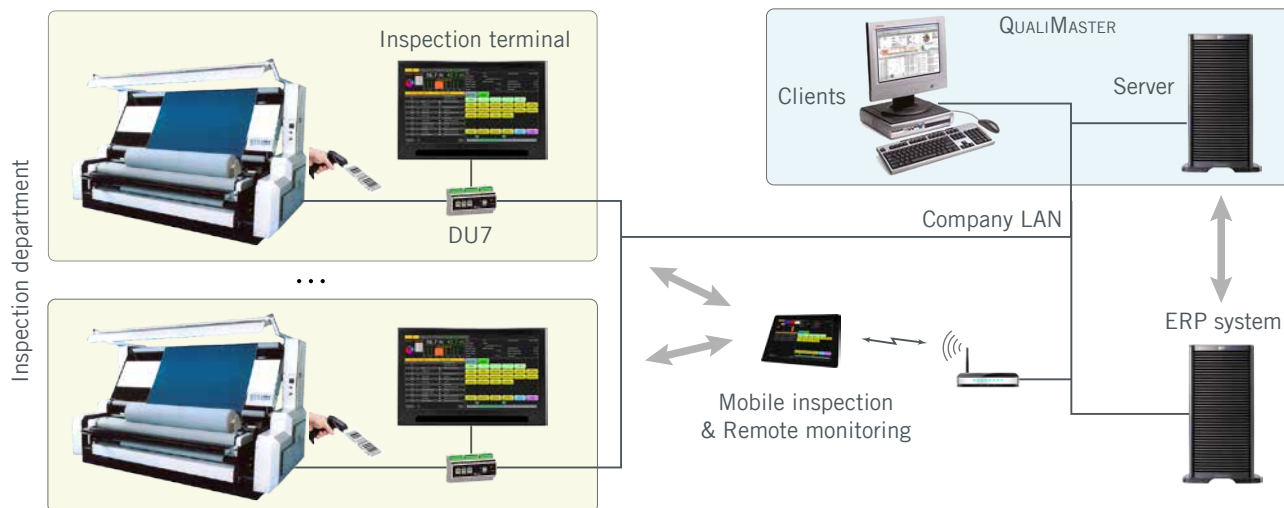
Functions

- Order and piece information including inspection instructions download from QUALIMASTER or ERP system.
- Entry of defect codes including severity, width and position.
- Entry of notes and additional quality parameters (weight, width, shade, ...).
- Real-time piece map and defect concentration graph.
- "Grade assistant" for a real-time advice about the reason for "off-quality".
- Import of defect maps and in case of CYCLOPS also defect pictures for re-inspection/mending activities.
- Front and back inspection, cutting and multi panel support.

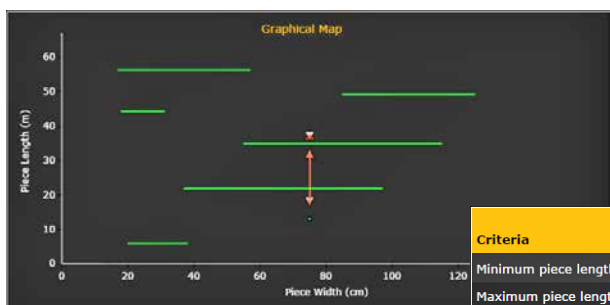
Features

- Fully configurable user interface.
- Foreign language support and on-screen language selection.
- Ethernet connection to QUALIMASTER or ERP system.
- Interfaces for machine run/stop and speed control, printer, scale, barcode scanner, keyboard, ...
- Length counter interface for automatic length registration.
- Continued operation and storage in case of network or server unavailability.

QT networking



Display examples



▲ Graphical piece map

▶ Grade assistant ▶

Criteria	Reference 1st grade	Calculated grade
Minimum piece length	30	42.7
Maximum piece length	150	42.7
Points / 100	0 - 44	29.04
Defects / 100	0 - 20	16.39
Max. length running defects	3	0.4

▶ Tabular piece map ▶

Pos.	Sev.	Descr	Maj	Remarks
0.0				Start Piece: 4711
0.0				Fabric Style: milano
6.0	*	Hole	<input type="checkbox"/>	Width: 18 cm (20 cm)
13.0	***	Broken Pick	<input type="checkbox"/>	
18.0				Start Cutout: 4711/1
18.0	****	Water Spot	<input checked="" type="checkbox"/>	Start RD
		Stop Mark	<input type="checkbox"/>	Width: 60 cm (37 cm)
		Water Spot	<input checked="" type="checkbox"/>	End RD
				End Cutout
		Uneven Yarn	<input type="checkbox"/>	Width: 60 cm (55 cm)
		Warp thread Mark	<input type="checkbox"/>	Start RD
		Warp thread Mark	<input type="checkbox"/>	End RD
		Bad Edge	<input type="checkbox"/>	Width: 13 cm (18 cm)
49.4	*	Thin Place	<input type="checkbox"/>	Width: 40 cm (85 cm)
56.4	*	Weft Deviation	<input type="checkbox"/>	Width: 40 cm (17 cm)

Technical specifications

Touch panel PC (A901186)

- 15.6" TFT touch panel, 1920 x 1080 pixels, 16:9 aspect ratio.
- Luminance 220 cd/m², contrast ratio 800, viewing angle 178° vertical / 178° horizontal.
- VESA 100 x 100 mm compliant mounting.
- Connections: barcode scanner, keyboard.
- Power: 100 to 240 Vac, 65 W.
- IP65 compliant front panel.
- Fanless.
- Operating temperature: 0 to 40° C.
- Relative humidity: 0% to 90%, non-condensing.
- Dimensions: 391 x 249 x 37 mm (W x H x D).
- Weight: 2680 g.

DU7

- 6 digital/counter/encoder inputs for a length counter, ticket tagging device, machine signals.
- 7 relay outputs for machine run/stop and speed control.
- 2 serial ports (RS232/422/485) for printer, scale, ...
- 3 Ethernet ports for company LAN and 2 touch panel PCs.
- 2 USB ports for printer, scale, ...
- Power: 12 to 24 Vdc or PoE, 11 W.
- DIN-rail mountable, 9 modules wide.

Length counters

Different types are available.



BMSvision

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