QT

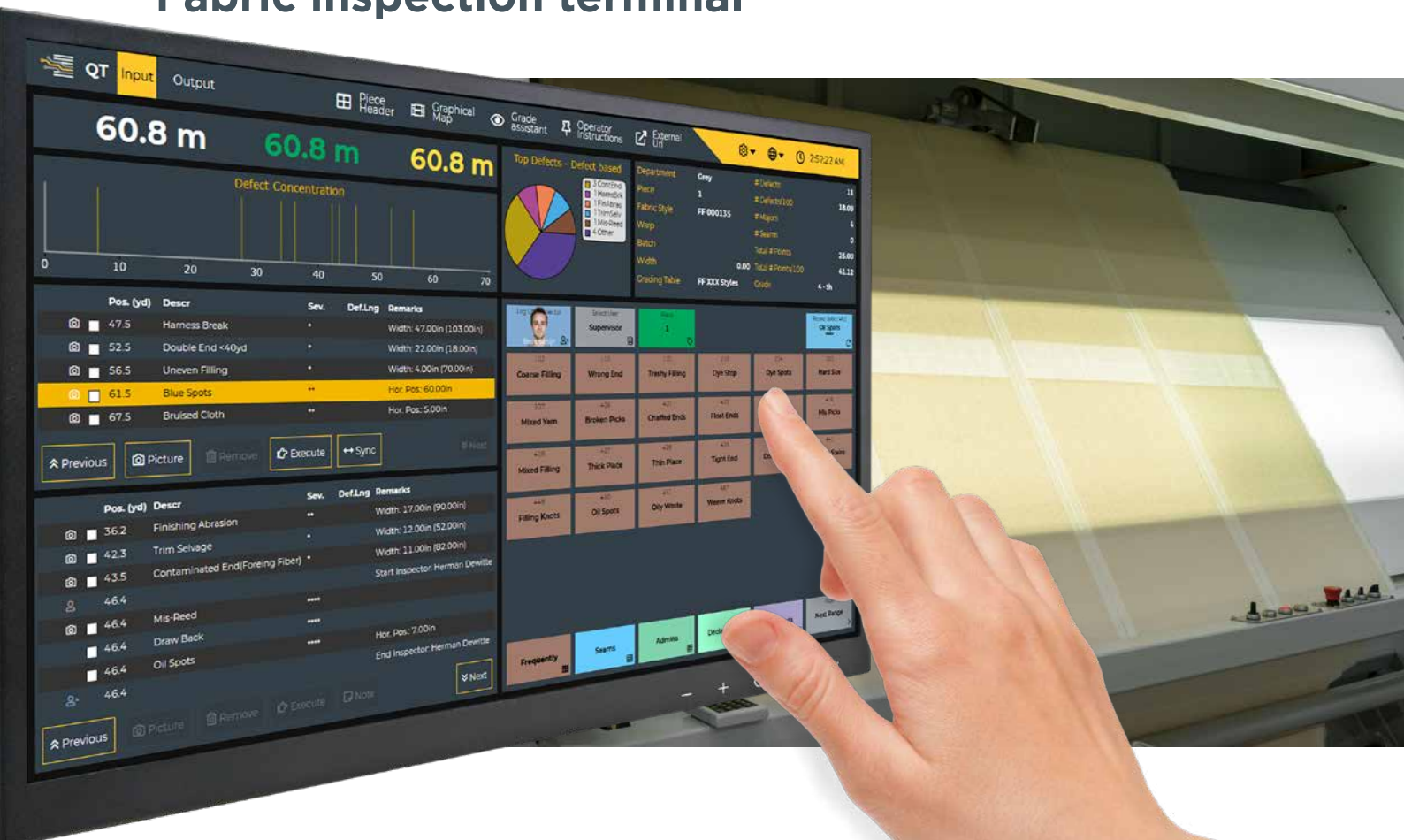## Fabric inspection terminal

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.
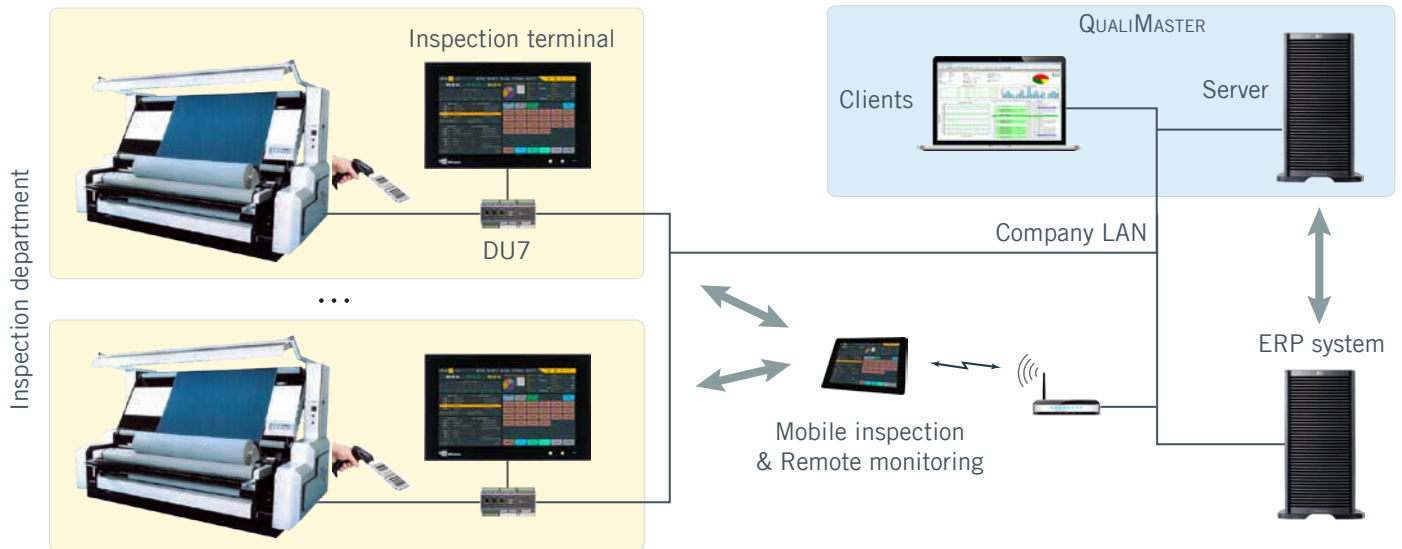
Functions

- 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.
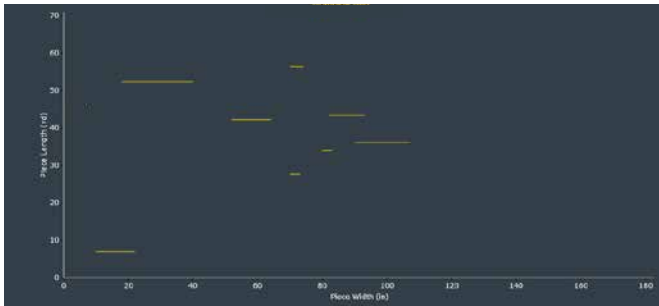- Front and back inspection, cutting and multi panel support.

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

	Pos. (yd)	Descr	Sev.	Def.Lng	Remarks
🏷	0.0				Start Piece: 1
📷 ☐	7.0	Contaminated End(Foreing Fiber)	**		Width: 12.00in (10.00in)
📷 ☐	27.8	Harness Break	****		Width: 3.00in (70.00in)
📷 ☐	34.0	Contaminated End(Foreing Fiber)	*		Width: 3.00in (80.00in)
📷 ☐	36.2	Finishing Abrasion	**		Width: 17.00in (90.00in)
📷 ☐	42.3	Trim Selvage	*		Width: 12.00in (52.00in)
📷 ☐	43.5	Contaminated End(Foreing Fiber)	*		Width: 11.00in (82.00in)
👤	46.4				Start Inspector: Herman Dewitte

⌃ Previous | 📷 Picture | 🗑 Remove | ↻ Execute | ▢ Note | ⌄ Next

Tabular piece map

Grading Table: FF XXX Styles
Grade Calculated: 4 - th

Criteria	Reference 1st grade	Calculated grade
Minimum piece length (m)	5.0	60.8
Maximum piece length (m)	200.0	60.8
Points / 100 m	0.00 - 10.00	41.13
Defects / 100 m	0.00 - 4.00	18.09
Max. length running defects (m)	5.0	0.0
Defects at start piece	4.00 Points 1.0 m	0.00
Defects at end piece	4.00 Points 1.0 m	0.00

Grade assistant

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

- 16 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.