

## Wireless monitoring systems for the textile industry



### Production monitoring and quality control

Barco is proud to introduce a new range of its WeaveMaster, KnitMaster and QualiMaster systems, based on wireless data communication.

Traditionally, production machines are connected with the monitoring system through cables. This wiring often proves to be a complex exercise for a plant engineer and makes it difficult to move or reconfigure production machines. Furthermore, cabling often represents a considerable part of the budget for a monitoring system.

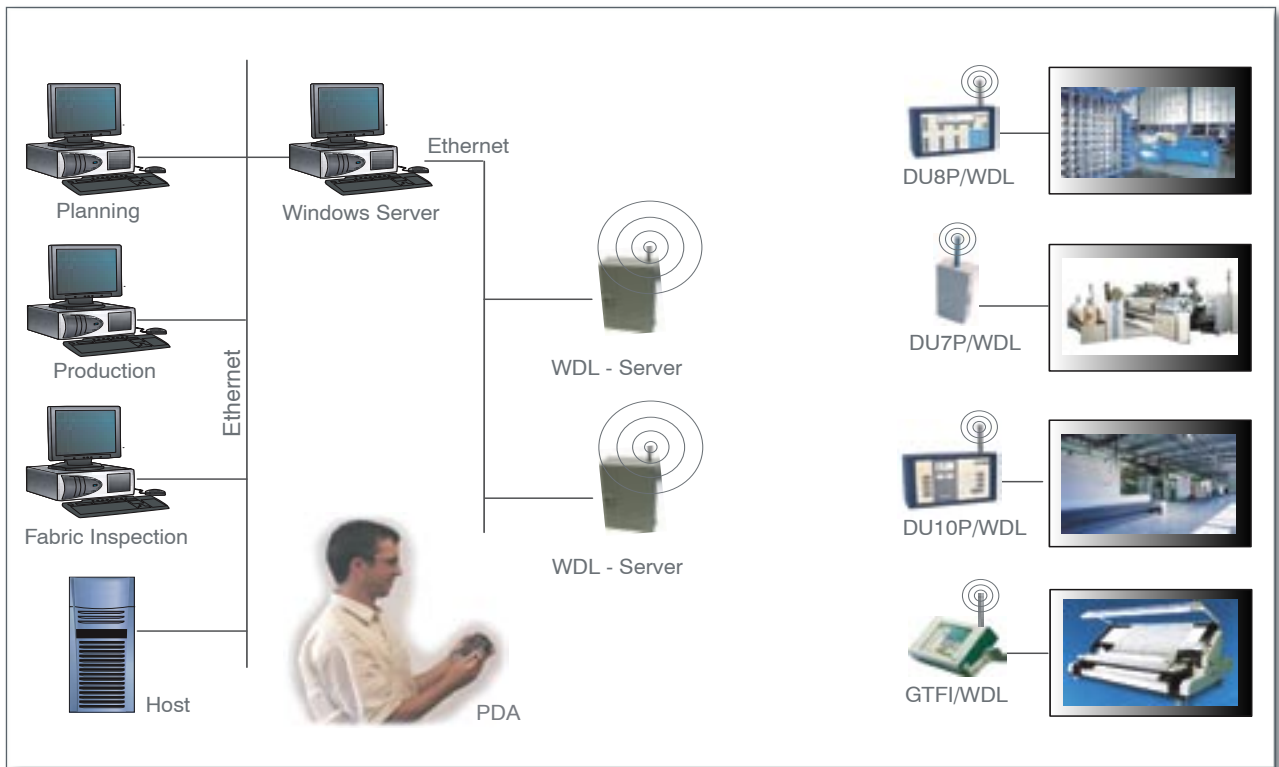
Thanks to the Barco designed wireless data collection terminals, bi-directional communication between the machines and the central system is now possible without the need of cabling.

#### Advantages

- cost effective
- flexible
- reliable
- fast installation
- less maintenance

**BARCO**

Visibly yours



## Wireless monitoring: the concept

Production machines and inspection frames are equipped with a Barco designed wireless data collection terminal or interface board. A complete range of data units is available for the connection of preparation machines, machines with and without VDI interface and inspection frames.

Up to 32 wireless data collection devices can be connected to a WDL-Server\*, which in turn is connected to the Windows based server by means of Ethernet. Multiple WDL-Servers can be added to extend the number of machines.

Machines with Ethernet connection can be integrated by means of a wireless Ethernet adaptor using the standard WiFi 802.11b protocol.

Wireless access to the information stored in the system's database is available using standard wireless handheld devices (PDA). As such, supervisors and plant managers can be constantly updated on efficiencies, problem looms, warp and style changes...

\* WDL = Wireless Data Link

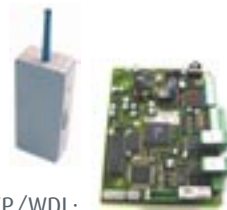
## Data collection hardware



**DU8P/WDL:**  
 - Knitting machines  
 - Preparation machines  
 - Tufting machines



**DU10P/WDL:**  
 - Looms without VDI interface  
 - Knitting machines  
 - Tufting machines



**DU7P/WDL:**  
 - Looms with VDI interface



**GTFI/WDL:**  
 - Inspection frames

## Other applications

For more detailed information on WeaveMaster, QualiMaster, KnitMaster please ask for the related brochure.

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