



 **QUALISCAN QMS-10A**
Quality-control system

Weight

Moisture

Thickness



QMS-10A

The modular Quality Control System for all web-based industries

is now available to you with our new Quality Control System QMS-10A.

The application dependant design structure makes the system flexible to fit the monitoring and control needs of the paper, film, non woven, and textile industries.

Different sensors are available for measuring critical production parameters such as weight, moisture or thickness.

For different applications, specific sensors are available to effectively and accurately cover the customer's on-line monitoring needs.

Various control solutions make it possible for the QMS-10A to be integrated into either new or existing production lines where quality improvement and assurance are needed.

The open, Ethernet-based platform allows for easy access to all measurement data through a variety of network interfaces.

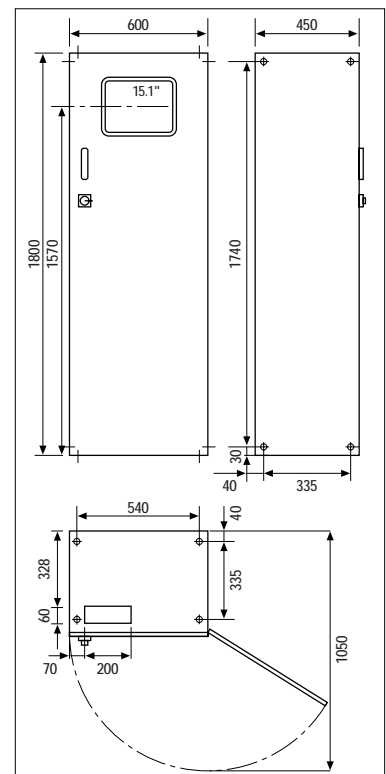
The modular design allows the system to be expandable so that additional sensors can be integrated as your on-line monitoring and control needs grow.

Possible applications :

- Paper/Board Production
- Paper/Plastic Converting
- Plastic Film Extrusion
- Extrusion Coating
- Nonwovens Production
- Paper Impregnation
- Carpet Coating
- Rubber Calendaring
- PVC Coating

Basic structure :

- Central Control Station in an upright standing steel cabinet (IP 54 standards), containing a rigid industrial PC with integrated UPS and 15 inch LCD, TFT color display with touch screen.
- Intelligent sensors and gauging systems with integrated microprocessors for signal treatment and/or measurement value processing
- Digital Inputs and Outputs for signal import, control or measurement value display





Touchscreen displays

Qualiscan QMS-10A

View of main display

The user-interface is divided into 5 sections:

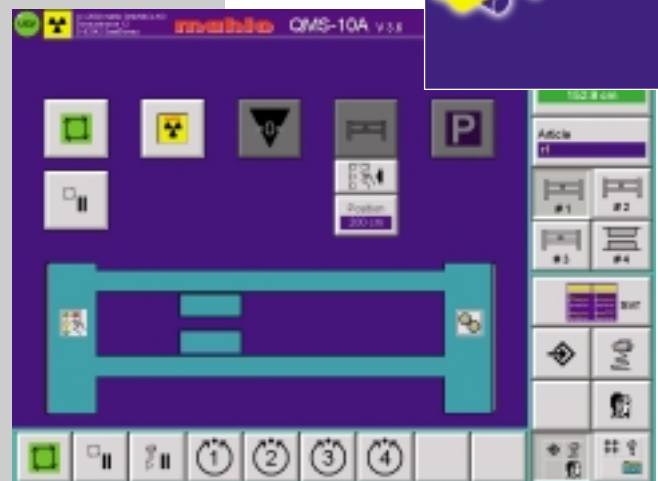
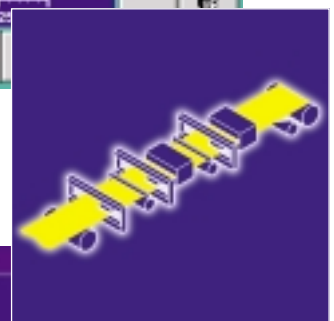
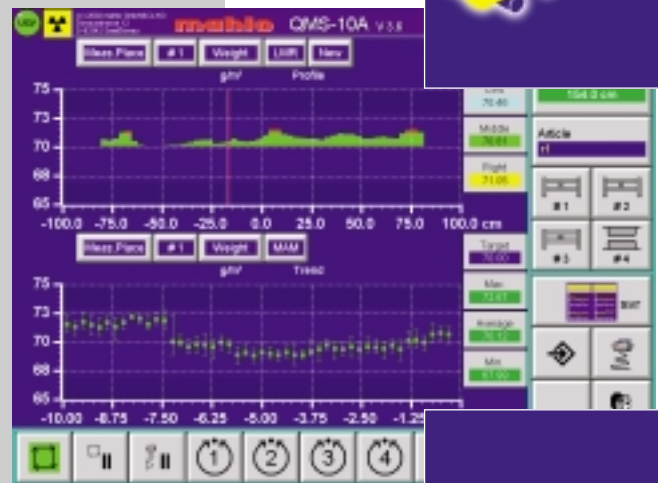
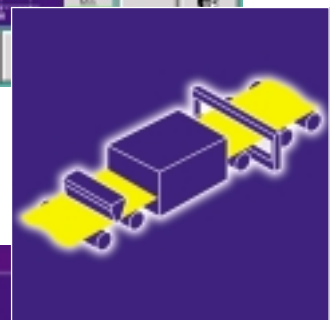
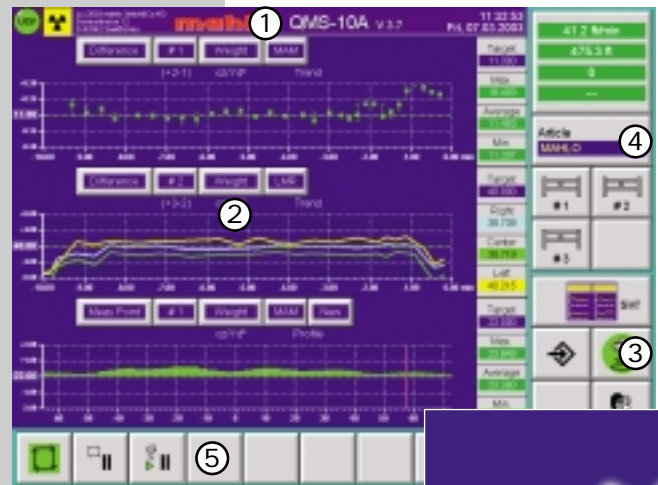
1. Header Bar: general information (inclusive of alarm bar)
2. Display Section: Selectable displays for stationary, trend, and/or cross profile measurement data
3. Option Blocks: Access to system features such as recipe management, password protection, hard copy print out, self-diagnostic system alarm configuration
4. Configuration Blocks: Display set up/configuration, access to sensor and traverse frame data, speed/passage count information
5. Sub-Option Blocks: Start/Stop of traverse, additional system data accessibility to support main option blocks.

The profile display reflects the progressive measurements taken by the scanner as it runs across the sheet

- Graphical and numerical measurement display
- Switchable between left-center-right or max-mean-min.
- Distance or time-related histograms
- Selectable screen configuration
- Visual alarm for tolerance overstep

Essential control functions in a single overview:

- Measurement start/stop
- Emitter open/closed
- Zero gauging start/stop
- Manual scanner positioning
- Parking point
- Interrupt function measurement and data-logging



The modules at a glance!

(You will find detailed information in the insert!)

The following parameters can be measured and controlled within the limits of the on-site manipulated variables:

Sensor	Measured variables	Type
FMI	Beta Transmission Weight	Beta Transmission Kr 85 Sr 90 Am 241
IMF Plus	Moisture, Coatweight	Infrared Backscatter
HMF Plus	Absolute Moisture	Microwave Resonance (Transm.)
DML	Thickness	Laser triangulation

Scanning Frames	Applications
MA HLO Standard O-frame	Plastic Film Extrusion, Paper Impregnation, Carpet Coating, Nonwovens; web widths up to 8000 mm
MA HLO Smart O-frame	Paper/Plastic Converting; Paper Impregnation; Plastic Film Extrusion, Extrusion Coating; web width up to 3000 mm (Single sensor only)
MA HLO Paper/Board O-frame	Stainless steel, fully anodized version for use in hostile environments such as paper/board production processes
MA HLO Single Sided scanner	Compact, single sided scanning frame for the IMF Plus NIR sensor; web width up to 3000 mm
MA HLO Single Sided scanner	Rigid Aluminium transport beam, double or single sided

Optional extras:

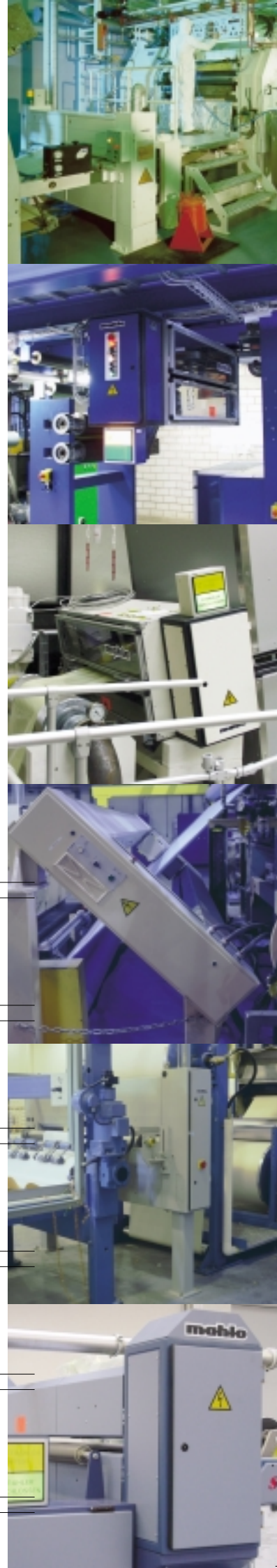
- Host-computer interface link
- Remote diagnostics system
- Alarm output
- Analog output
- External tacho 0-10V DC
- Printer Package
- Remote control and display station
- Special Color

Innovation and development:

In an effort to guarantee the effectiveness of our products and insure the highest possible customer returns, Mahlo is avidly devoted to designing on-line measurement and control solutions that utilize the very latest in technology. The commercial efficiency, quality construction, and system flexibility make up the core essentials of our product development.

Please feel free to contact us. We would gladly provide more information on our products and objectives.

mahlo - trendsetting technology. worldwide.





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We safeguard quality

With over 40 service centers around the world, we guarantee a prompt response to calls for service from our customers, and delivery of spare parts within 24 hours.

With the help of the remote diagnostics facility, Mahlo® technicians can, by telephone, log onto the software of customers' systems in order to resolve minor problems or make service-related settings.

Mahlo - service - we are very near at hand should you need us!