

QCS - QUALITY CONTROL SYSTEMS

Quality Control Systems for the OnLine Measurement
Process Control Systems & Industrial Automation

Get your targets quickly:

- Increase your Production
- Reduce Wastes
- Improve Final Product Quality
- Get the best Regularity
- Save Energy

Flexible and open systems based on standards such as Windows 7 Prof., OPC, ODBC, SQL Server 2005, 2008, 2012, etc.

Tailor made solutions developments, following the customers requirements.

Different Sensors for several applications, totally integrated in our scanners.

On Line measurement of all parameters : Basis Weight, Moisture, Ashes, Caliper, Coat, Film Basis Weight, Color, etc.

Automatic Control for: Basis Weight, Moisture, Steam Pressure, Consistency, Speed, etc.

Basis Weight and Moisture CD profile automatic control.



Paper & Board ✓

Converting Paper & Plastic ✓

PE Extrusion Machines ✓

Nonwoven ✓



Corrugated Board ✓

Paper & Board Coating Machines ✓

Self-Adhesive, Siliconed papers ✓



Different kinds of scanners for each application depending of the customer requirements and the machine type.

The "O Frames" for all kind of machines and paper widths.

The "C Frames" for machines up to 3.500 mm width, will leave free space to the workers if there is no enough space on the machine.

We also provide several robust frames for systems with just one sensor made with great versatility.

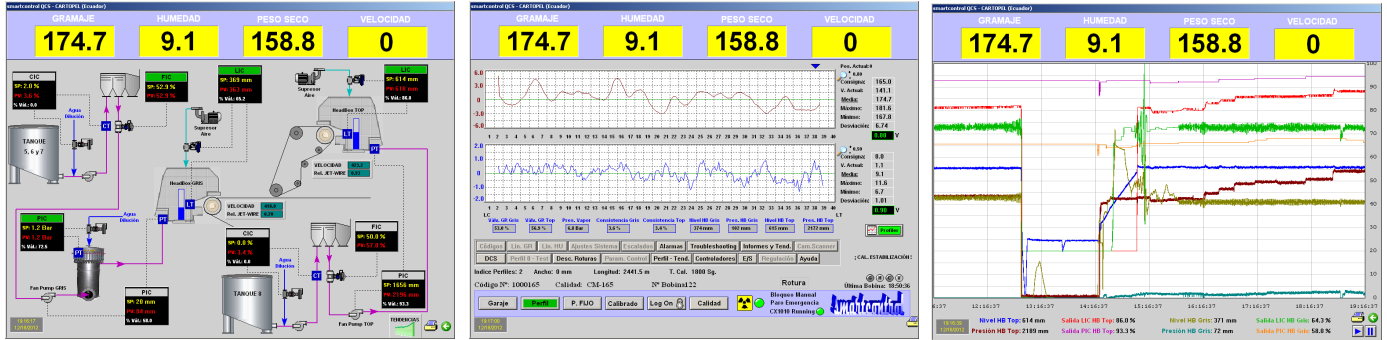


Easy and Intuitive SCADA Application

Easy to use software graphics interface and very intuitive for users.

Real time information, provides you fast and simple view of all data and controlled parameters.

Profiles graphic representation, divided by sections, of all measured variables of the web.



Historical and Real Time trends. You'll be able to look for the information needed on them in any moment in any time.

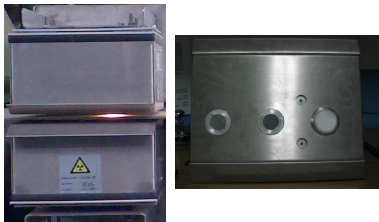
The system calculates reel reports, shift reports, production reports, daily reports, paper breaks reports, etc. with summary of all the measured datas of the process.

These reports are saved in the hard disk on *pdf* format for future queries or in *SQL* Databases.



High Accuracy Measuring Heads

Basis Weight and Ashes Content by Radioactive Source



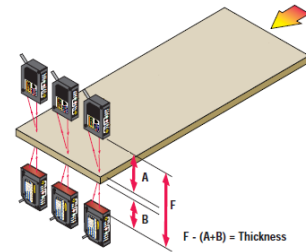
- Basis Weight with Kr85
- Ashes Contents with Fe55
- Accuracy: 0,4 %
- Repetitivity: 0,1 %
- Measuring Ranges: 10-1000 gr/m2

Moisture by Reflective Infrared



- Moisture Ranges: 2-20 %
- Basis Weight Ranges: 14-250 gr/m2
- Accuracy: 0,3 %
- Repetitivity: 0,1 %

Calliper-Thickness by Laser Triangulation



- Measuring Range: 0-20 mm
- Non-contact Laser Measurement
- Linearity: 0,08 %
- Precision: < 3 μ
- Output 4-20 mA ÷ 0-10 Vdc

Moisture by Microwaves



- Measuring Ranges: 0-20 %
- Basis Weight: 200-1000 gr/m2
- Accuracy: 0,5 %
- Non-contact Measurement

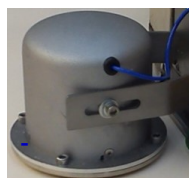
Color L*a*b



- Detection Range: Spot 25-150mm
- Light Source: White LED
- Receptor: RGB Photodiode
- Calibrated Values: L*a*b

Calliper-Thickness by Contact EddyCurrent

- Sensor: Inductive EddyCurrent
- Measuring Range: 40-400 μ
- Precision: 1μ
- Supply: 24Vdc



Brightness ISO 2470

- Detection Range: Spot 50 a 200 mm
- Light Source: 457 LED
- Receptor: Spectral 350...1000 nm
- Values Calibrated with ISO 2470



On-Line Porosity Analyzer

- Measurement Ranges:
 - Gurley 1—6.000 sec
 - Bendtsen 10—10.000 ml/min
 - Coresta 1—10.000 Cu
- Basis Weight: 10—400 gr/m2
- Output: 4-20mA



Smartcontrol v13[®]

Remote Access and Preventive Maintenance over the Internet



Remote Access with TeamViewer accessing to the application running on the PC installed in the mill.

Dedicated VPN from the Customer.

Thanks to the remote control, we have the possibility to control and adjust the systems, in order to have the best performance during the most time possible.

This service is included in the Maintenance Contracts to give a complete service to the customer.

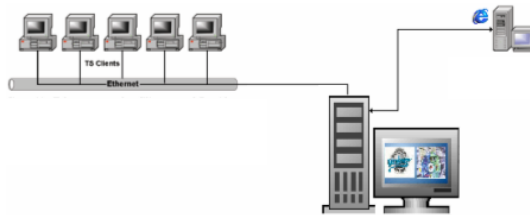
Files Transfers



Access from Mobile Devices



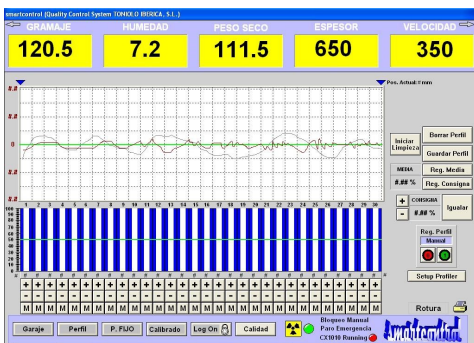
Remote Access to the PC Control System



Multi Monitor Support



CD Profile Automatic Control for Basis Weight and Moisture

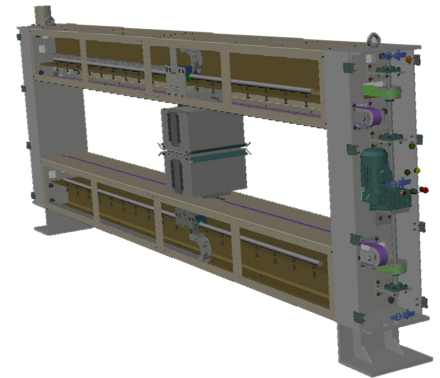


Radial Distributor with Intelligent Valves for Dilution Control. Basis Weight CD Control Systems adaptable to the most popular HeadBoxes. Also it's possible to make the control with Electronic Motors installed on the HeadBox lip. These options depends of the machine and also of customers requirements. Moisture CD Control Systems with Steam Boxes, Water Spray Systems or Infrared Drying Systems.





All Our Systems are made following the European norms under our quality standard UNE-EN ISO 9001:2008 and “CE” marked.



We offer you our experience of more than 40 years on industrial and automatic control world, with our QCS/DCS systems with the best quality/cost relationship.

PLC Scan Cycles up to Less than 1ms

SoftPLC Technology running on Kernel to ensure the process control



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