

QUALITY CONTROL SYSTEMS QCS

On Line Measurement

Control Loops, Automation and Regulation

- Quality Under Control -

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 like Windows XP Prof., OPC, ODBC, SQL Server 2005 & 2008, 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 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.

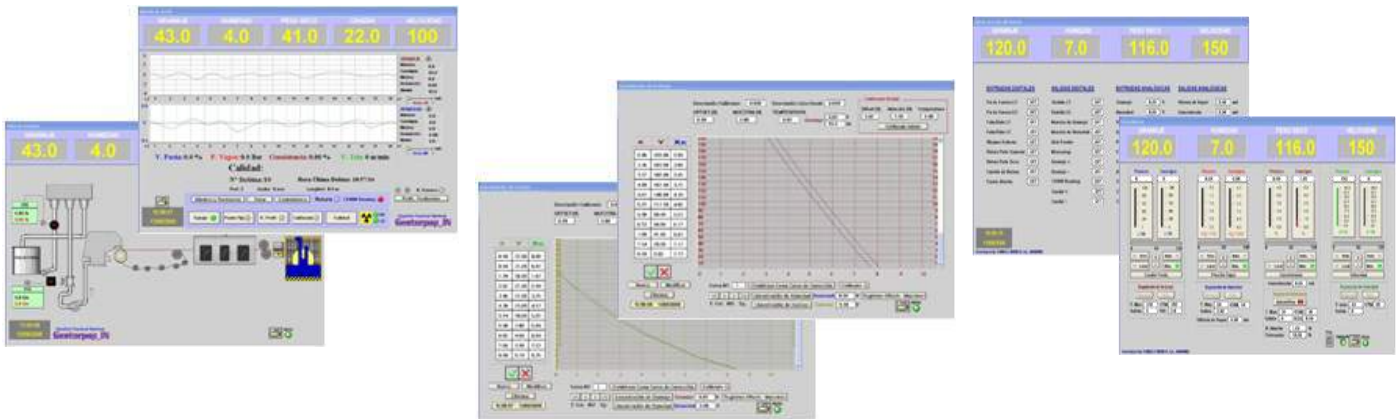
We also provide several robust frames for systems with just one sensor made with great versatility.

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



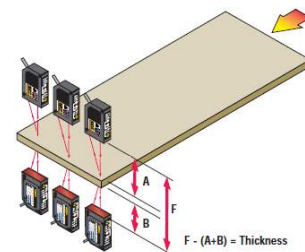
- Basis Weight with Kr85
- Ashes Contents with Fe55
- Accuracy: 0,4 %
- Repetitivity: 0,1 %
- Measuring Ranges: 10-1000 gr/m2

Moisture by Reflective Infrared NIR & Basis Weight for Tissue



- Moisture Ranges: 2-20 %
- Basis Weight Ranges: 14-40 gr/m2
- Accuracy: 0,3 %
- Repetitivity: 0,1 %

Caliper-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



Colour L*a*b* & Brightness



- Detection Range: Spot 25-150mm
- Light Source: White LED
- Receptor: RGB Photodiode
- Calibrated Values: L*a*b* for Colour and % for Brightness.

Smartcontrol v13[®]

Remote Access and Preventive Maintenance over the Internet TeamViewer

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.

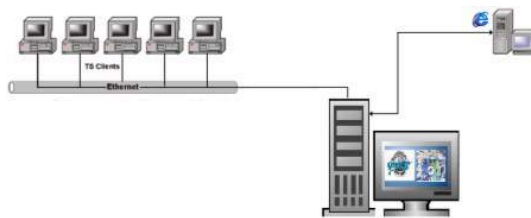
Files Transfers



Access from Mobile Devices



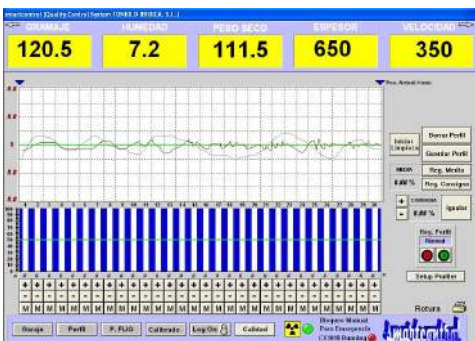
Remote Access to the PC Control System



Multi Monitor Support



PAC Systems (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.



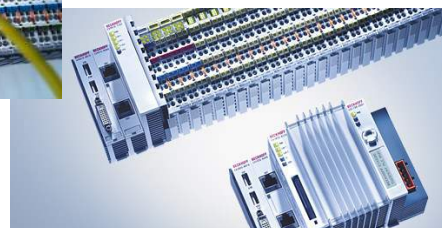
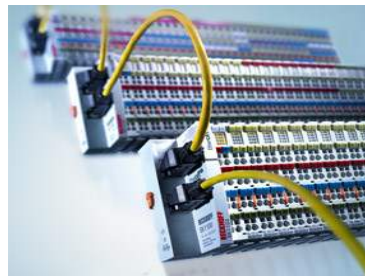


All Our Systems are made following the European norms under our quality standard UNE-EN-ISO 9001:2008 and “CE” mark.



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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