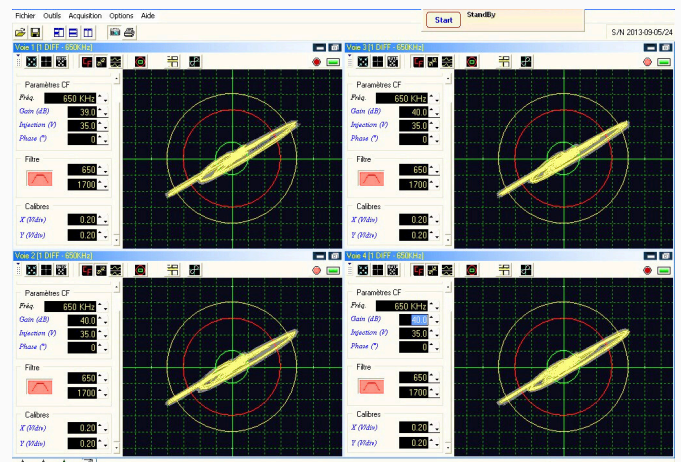


TECHNICAL INFORMATION

OPERATING	
Standard Version	<ul style="list-style-type: none"> Windows SSD + Sata extension, 17" Touch screen
Connection to External PC	<ul style="list-style-type: none"> 4 USB ports for peripheral devices Monitoring and mouse drive through Ethernet TCP/IP network
FPGA based Signal Processing	<ul style="list-style-type: none"> 300 KSps
Up to 32 channels	<ul style="list-style-type: none"> Can be used for defects detection or sorting application
Adjustable Pre-Amplifier	<ul style="list-style-type: none"> +0; +20; +26; +34; +40 dB

EVALUATION AND LINE	
Signal Evaluation	<ul style="list-style-type: none"> Full circle evaluation and/or X/Y components
Defect Trigger Threshold	<ul style="list-style-type: none"> Up to 8 circular, rectangular and/or annular alarms by channel
Tests Procedure	<ul style="list-style-type: none"> Testing with control on/off and continuous testing
Line Speed / Sampling Frequency	<ul style="list-style-type: none"> Static to 200 m/s, depend on the coil geometry, 140 KHz max
Line Signals	<ul style="list-style-type: none"> Digital : 8 inputs, 12 outputs and 3 encoders 8 analog outputs
Marking	<ul style="list-style-type: none"> 5 free outputs for marking, buzzer, cutter...
Sorting	<ul style="list-style-type: none"> 7 sorting levels and outputs
I/O Functions	<ul style="list-style-type: none"> Signal is given in less than 0.5ms Programmable I/O on each channels with delays adjustable OPC exchange can be done (OPTION)
Sorting Applications	<ul style="list-style-type: none"> Harmonic analysis on 3rd; 5th and 7th harmonics
Defects Detection	<ul style="list-style-type: none"> Defects detection with distance compensation

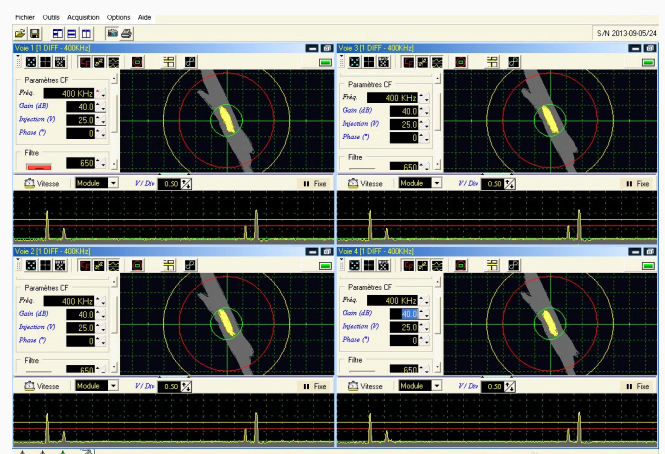
SENSOR CONNECTION	
Coil Monitoring	<ul style="list-style-type: none"> Sensor auto-check wire breakage - Voltage and failure indicated in the screen
External Sensor Multiplexer	<ul style="list-style-type: none"> Up to 64 sensors
Excitation Voltage	<ul style="list-style-type: none"> 0.1 to 4,8V - 0.1 V tuning resolution
Test Frequency	<ul style="list-style-type: none"> 10 Hz to 12 MHz - 1Hz tuning resolution
Filters	<ul style="list-style-type: none"> Continuous filters High pass, low pass, band pass with adjustable severity and auto-filtering. 1 Hz tuning resolution
Gain	<ul style="list-style-type: none"> Tuneable in step of 0.5 dB / 80dB dynamic
Phase	<ul style="list-style-type: none"> 0 to 360° by step of 1 Hz



USER INTERFACE

OPERATING	
Operation protection	<ul style="list-style-type: none"> 3 user levels, protected by password
Dialogue language	<ul style="list-style-type: none"> French, English, Italian, Russian, Portuguese and more...
Status display	<ul style="list-style-type: none"> Displayed in production software included in Zet@ Master
Message windows	<ul style="list-style-type: none"> In real time in the screen
Tests setting display	<ul style="list-style-type: none"> Unlimited
Setting	<ul style="list-style-type: none"> Unlimited - configuration files saved on hard disk
Multi-line support	<ul style="list-style-type: none"> Yes

SIGNAL DISPLAY	
Display	<ul style="list-style-type: none"> Lissajou and/or time base Signal is given in less than 0.5 ms
Hardware for Standard version	<ul style="list-style-type: none"> Channels operation are displayed side to side
Displayed length	<ul style="list-style-type: none"> Adjustable
Event display	<ul style="list-style-type: none"> Position of defects are displayed for each channel Screen shots utility



PRODUCTION SOFTWARE (OPTIONAL)

PRODUCTION SOFTWARE / REMOTE INTERFACE	
Identification	<ul style="list-style-type: none"> Up to 10 fields customized
Setting	<ul style="list-style-type: none"> Possibility to view and adjust setting from production software Access to GAP control panel Access to Input/Output test screen Parameters access permissions fully settable with 3 user level, protected by password
Calibration	<ul style="list-style-type: none"> Calibration screen Load pre-define calibration files Display and compare real signal with reference sample signal
Inspection	<ul style="list-style-type: none"> Lissajou and/or Time base display Real time display of inspected product with defect position Historical of inspected parts with positioning of detected defect Parameters access permissions fully settable with 3 user level, protected by password Possibility to change operator's name and/or batch number
Reports	<ul style="list-style-type: none"> Display of system parameters Inspection reports files (PV) stored in hard disk Display of EC settings and identification fields Display of calibration signal Display of inspection result : number of inspected parts, number of good/bad, list of all inspected part, list and position of detected defects (...) ReportViewer application with possibility to recall, display and print stored PV files

OPTIONS	
Remote Assistance	<ul style="list-style-type: none"> Worldwide support, over Internet or dedicated modem Visualization of the instrument's screen from CMS company Assistance to adjust or verify a setting Assistance to upload and update software Assistance to backup the system
Input	<ul style="list-style-type: none"> 2 Analog inputs
Amplifier	<ul style="list-style-type: none"> Output amplifier
Filter	<ul style="list-style-type: none"> Automatic filter adjustment
Density Factor	<ul style="list-style-type: none"> Calculating of defect density per unit length. Interesting to appreciate quality of the product and find small longitudinal defects

RECORD VIEWER SOFTWARE (OPTIONAL)

Acquisition :

- Record inspection measures for later printing
- Store of the measures on hard disk
- Storage and recall signals

Recordviewer :

- Signal processing
- Signal Analysis
- Possibility to adjust Eddy Current settings and see real-time changes in Eddy Current signals

