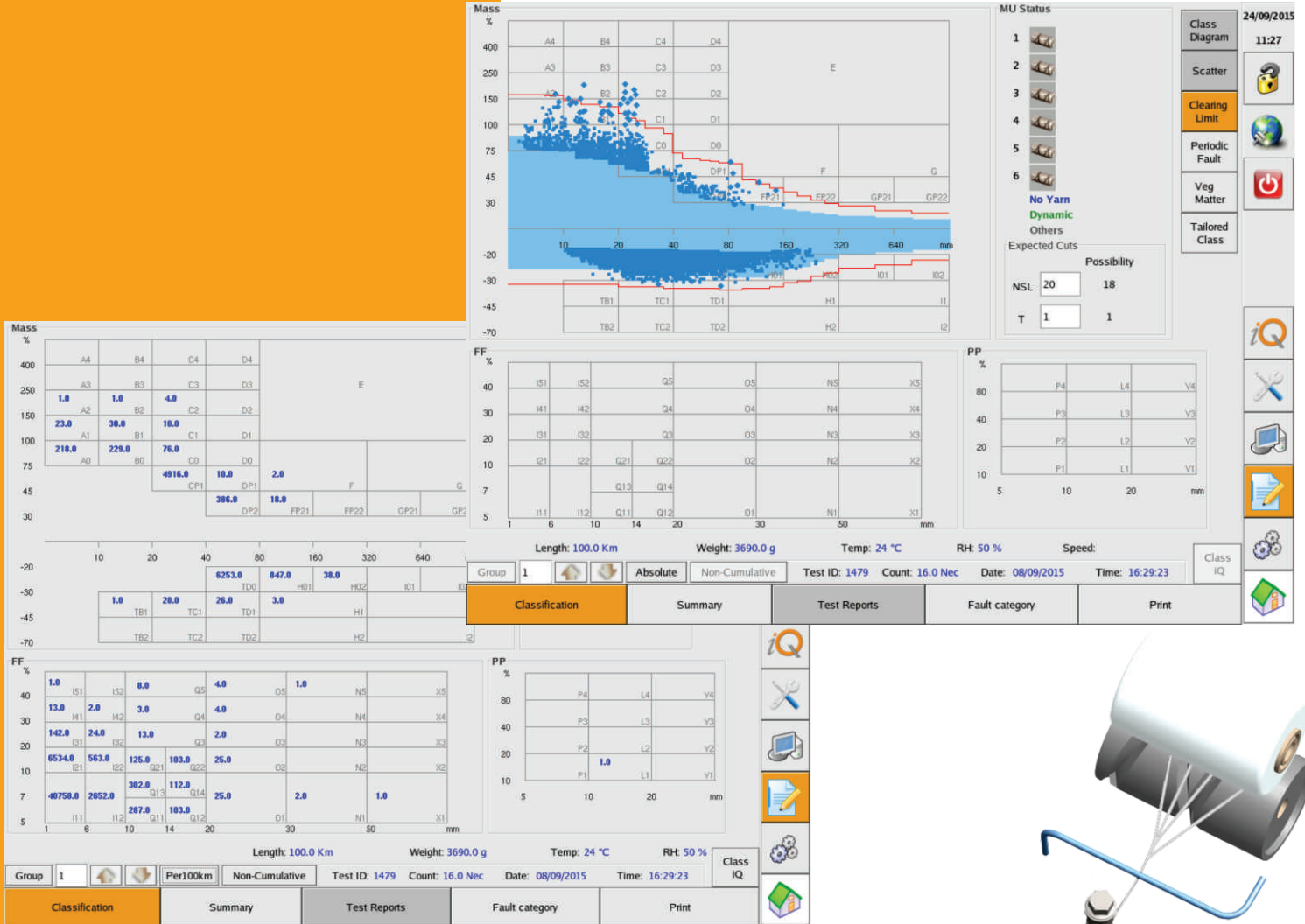


ClassiQ5™

ALL NEW Classification Standard
with Foreign Fibre and White PP classes

PREMIER



intelligent QUALITY

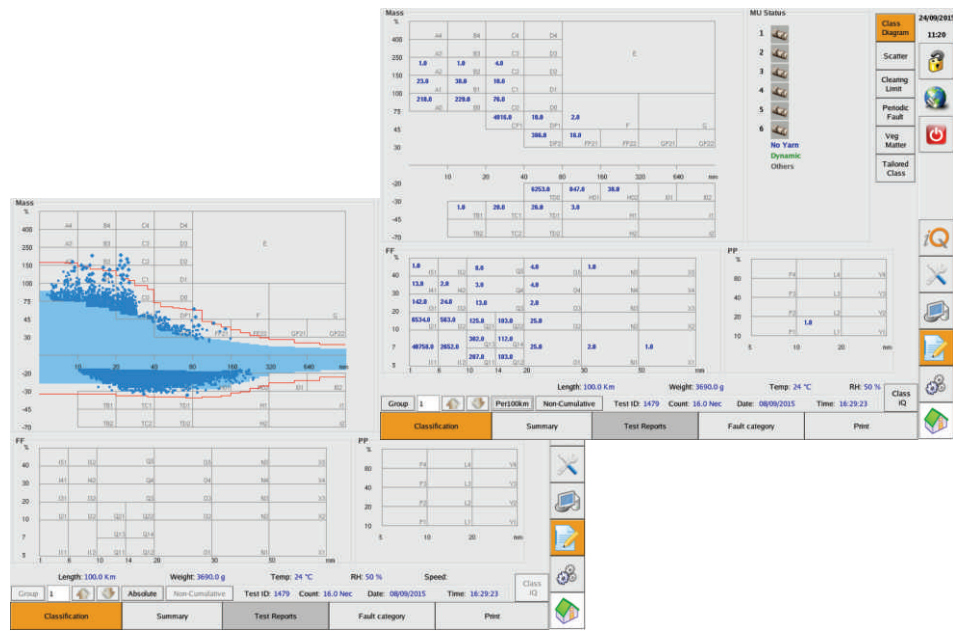
ClassiQ5™

ALL NEW Classification Standard with Foreign Fibre and White PP classes

ClassiQ5 is the latest offline classification system which classifies Mass, Foreign Fibre and White PP faults in both cleared and uncleared yarns to optimise clearer settings and to keep track of the process

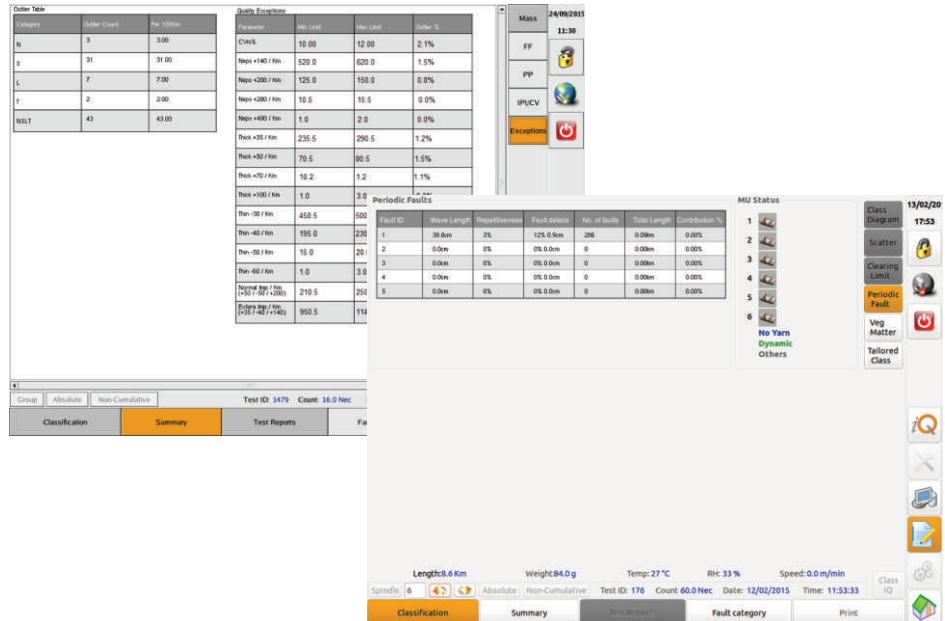
Mass, FF & White PP Classification with Clearing Limits

- Exact representation of mass faults in 45 different classes for better process optimisation
- Clearing limits represented over scatter chart indicating mass variations and fault distributions which serve as a basis for arriving optimum clearing limits for various yarn types



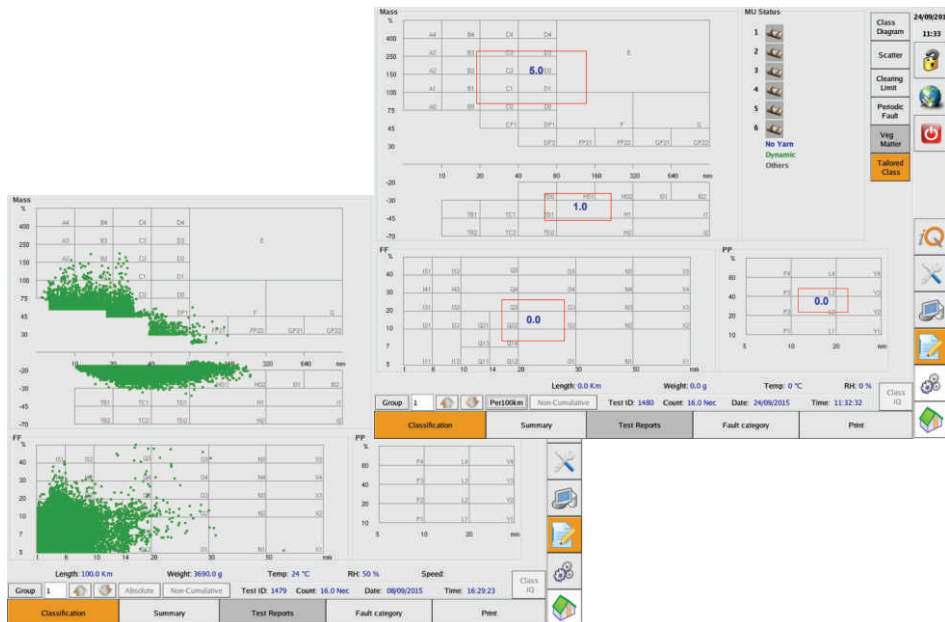
Q-Module, Exceptions and Periodic Faults

- Q-Module for Online Imperfections and CV%, Hairiness and Sh
- Exceptional faults, imperfections and Hairiness are determined for the tested material and expressed as a percentage. An exclusive exceptions chart indicates the distribution of such events across the test length
- Periodic faults are identified and marked as ovals/circles in the class diagram itself. Additionally, a detailed table is available where the Periodicity, Regularity and other details are tabulated



Scatter Diagram and Tailored Classes

- Scatter diagram helps to arrive at the most efficient clearing limits in a very quick manner. It also helps to identify problems in the back process
- Independent distribution for Mass, Foreign Fibre and White PP faults help user to take the right action
- In Tailored Classes, user can mark any area in the class diagram and can count the number of faults in that defined area. This feature is very useful to monitor any specific alarming fault zones based on problem areas in the spinning process



Trend, Ranking and Benchmarking

- Trend graphs help user to know the long term performance of any quality parameter
- User can plot Trend graphs for any lot tested for a selective time period. Information can be seen numerically also as a table
- Rank analysis is a unique tool to compare all quality characteristics between various tested samples and arrive ranks through user defined weightages
- Benchmarking tool helps to compare any test result with previous selective periods and to analyse the trend for various quality characteristics for that specific lot



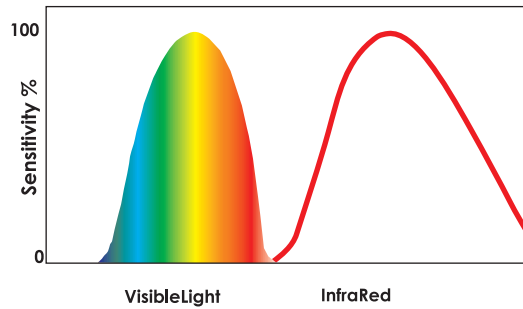
Unique and Innovative Technology

ClassiQ5 is the first classification system to use a combination of VisibleLight and InfraRed technologies. While the VisibleLight is used to detect contamination that is of a different colour compared to the parent yarn, InfraRed is used to detect contamination that is of the same colour as the parent yarn, but of a different material example: White PP



White PP

Beyond the Visible



Technical Data*

Basic Installation

Measuring Head (MH)	: 6 nos	Pneumatic Kit	: 1 set
Power & Interface PCB assembly	: 1 per 3 MH's	Tension Device	: 1 per MH
Control Unit	: 1 no	Temp & RH% sensor	: 1 no
Automatic Air Blow System	: 1 per MH	Maintenance Kit	: 1 set
Automatic Speed Sensor	: 1 per position	Interactive Kiosk	: 1 No
PC & Printer	: 1 no		

Measuring Principle

Mass Faults	: Capacitance	Foreign Fibre	: VisibleLight
Hairiness	: Optical	White PP	: InfraRed

Application Range

Count	: Nec 3 ^s to 200 ^s (Nec 3 ^s to 80 ^s : MH20; Nec 12 ^s to 200 ^s : MH15) : Nm 5 ^s to 340 ^s (Nm 5 ^s to 135 ^s : MH20; Nm 20 ^s to 340 ^s : MH15)
Material	: 100% Cotton, Polyester, Viscose and Blends
Drums#	: 6 / 12 drums
Machine (To be provided by Customer)	: Manual Cheese Winder or Automatic Winder
Winding Speed	: 300 to 1200 m/min
Recommended test length	: 200 km
Operating Mode	: Cut mode and Classification mode

Output Parameters

Class wise Report (Graphical)

Mass	: 30 Thick and 15 Thin classes
FF	: 34 classes
White PP	: 12 classes

Class wise Report (Numerical)

Mass (Neps & Short Thick)	: 20 Classes	Mass (Extra Sensitive Short Thick)	: 3 Classes
Mass (Long Thick)	: 3 Classes	Mass (Extra Sensitive Long Thick)	: 4 Classes
Mass (Long Thin)	: 4 Classes	Mass (Extra Sensitive Long Thin)	: 4 Classes
Mass (Short Thin)	: 6 Classes	Mass (Extra Sensitive Short Thin)	: 1 Class
FF	: 34 Classes	White PP	: 12 Classes

Fault Scatter Information

: Mass, FF and White PP

Evaluation

: Absolute & Per 100 km, Cumulative & Non-Cumulative and Group & Spindle Wise

Q - Module

Imperfections, CV% and Hairiness : Thin, Thick & Neps (4 levels in each category), CV% and Hi & Sh

Power Requirements, Compressed Air Consumption and Ambient Condition

- 125 VA, Single Phase; 1KVA Online UPS
- 1.75 m³/hr at 4 kg/cm²
- Relative Humidity : 65 ± 2%
- Temperature : 21 ± 1°C (70 ± 2°F),
[27 ± 1°C (80 ± 2°F) for Tropical Conditions]

* Subject to change without notice
For 12 drums, please refer to **PREMIER**



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