Unique and Innovative Technology

ClassiQ6 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

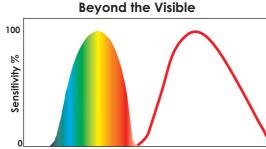
VisibleLight

: 6 / 12 drums

: 300 to 1200 m/min

: Mass, FF and White PP





InfraRed

Pneumatic Kit

Tension Device

Maintenance Kit

PC & Printer

White PP

: 100% Cotton, Polyester, Viscose and Blends

: Manual Cheese Winder or Automatic Winder

White PP

: Cut mode and Classification mode

Temp & RH% sensor

: Nec 3° to 200° (Nec 3° to 80° : MH20; Nec 12° to 200° : MH15)

: Nm 5° to 340° (Nm 5° to 135° : MH20; Nm 20° to 340° : MH15)

Foreign Fibre : VisibleLight

Mass (Extra Sensitive Short Thick)

Mass (Extra Sensitive Long Thick)

Mass (Extra Sensitive Long Thin)

Mass (Extra Sensitive Short Thin)

Premier Presence

: 3 Classes

: 4 Classes

: 4 Classes

: 12 Classes

: 1 Class

: 1 set

: 1 no

· 1 set

· 1 no

: InfraRed

: 1 per MH

Technical Data*

Basic Installation

Measuring Head (MH) : 6 nos

Power & Interface PCB assembly : 1 per 3 MH's Control Unit : 1 no

Automatic Air Blow System : 1 per MH Automatic Speed Sensor : 1 per position

Measuring Principle

Mass Faults : Capacitance Hairiness : Optical

Application Range

Count

Material Drums#

Machine (To be provided by Customer)

Winding Speed

Recommended test length Operating Mode

Output Parameters

Class wise Report (Graphical) Mass

: 30 Thick and 15 Thin classes

: 34 classes : 12 classes White PP

Class wise Report (Numerical)

Mass (Neps & Short Thick) : 20 Classes Mass (Long Thick) : 3 Classes Mass (Long Thin) : 4 Classes Mass (Short Thin) : 6 Classes : 34 Classes

Fault Scatter Information

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

Power Requirements, Compressed Air Consumption and Ambient Condition

• 125 VA, Single Phase; 1KVA Online UPS

1.75 m³/hr at 4 Bar

 Relative Humidity : 65 ± 2% : 21± 1°C Temperature [27± 1°C for Tropical Conditions]

* Subject to change without Prior notice

For 12 drums, please refer to **PREMIER**

premier evolvics pvt. ltd.

SF No. 79/6, Kulathur Road Venkitapuram Post Coimbatore - 641 062, India

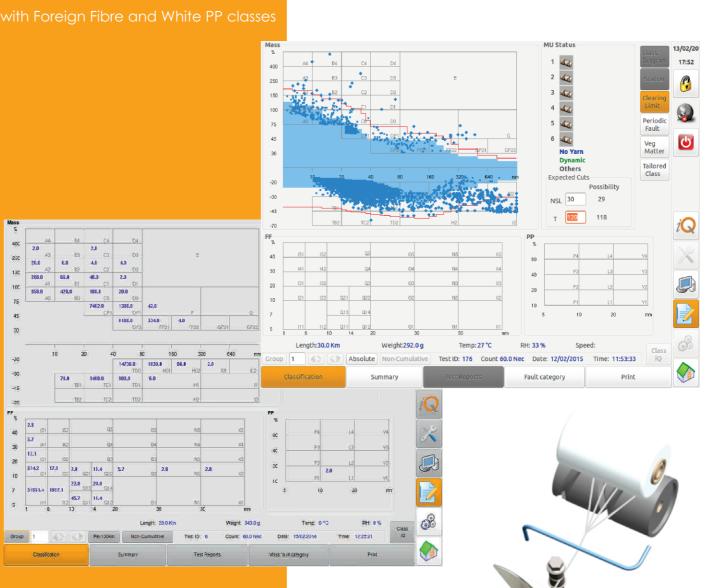
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ClassiQ6

ALL NEW Classification Standard







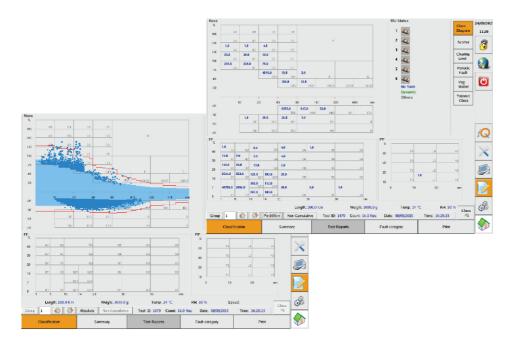


ALL NEW Classification Standard with Foreign Fibre and White PP classes

ClassiQ6 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

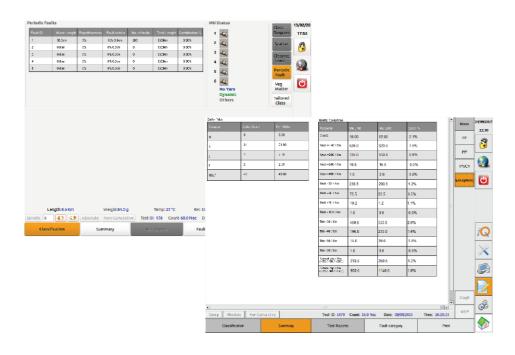
Mass, FF & White PP Classification with Clearing Limits

- 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



Exceptions and Periodic Faults

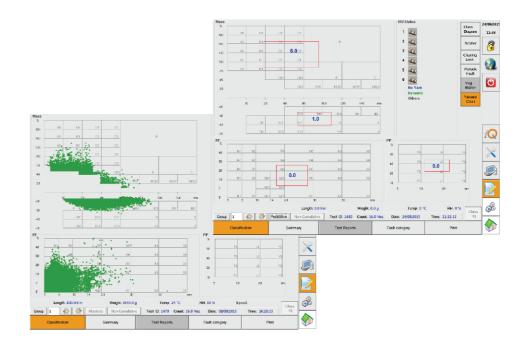
- Exceptional faults, imperfections and Hairiness are determined for the tested material and expressed as a percentage which helps spinners to control rejections significantly
- Worst 5 Periodic faults in terms of repetitiveness tabulated which helps user to reduce serious fabric defects.



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 appropriate 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



Trend, Ranking and Benchmarking

- Trend graphs helps 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 an 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

