



YARN QUALITY CONTROL LINE

dominocommunication.it

## IRIDIUM

### The first 3D yarn quality sensor

Advanced High Tech Solutions  
for Yarn quality monitoring

## IRIDIUM

TOP QUALITY  
HIGH FLEXIBILITY  
USER-FRIENDLY



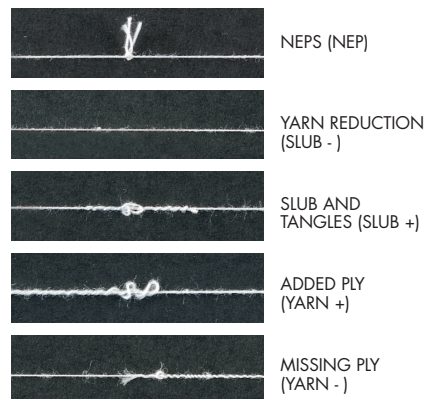
### IRIDIUM

COMPACT DESIGN (50x50x18 mm)

- Suitable for multiple applications in tiny spaces.
- Robust Compound Alluminium Body.
- Extremely Precise Reading Area (6000 x 6000 Microns~ 6mm).
- 3d Yarn Profile Analysis (X+y+z).
- Direct Yarn Diameter Measurement (No Self-learning Cycle).
- Ip-67 For Hursh Environments.
- Fully Compatible With Matrix Touch And Pc Link Web Software.

### IRIDIUM ADVANCED WIRE DEFECTS DETECTIONS

- 4 TYPE OF YARN DEFECTS DETECTION
  - Blister (+)
  - Enamel cracks (-)
  - Wire diameter (+ / -)
  - Missing wire
- 3D ANALYSIS
  - Flat & round Yarn 3D
  - 3D analysis
  - 6 mm visual area



## HIGH READING TECHNOLOGY

### 3D YARN ANALYSIS (X+Y+Z)

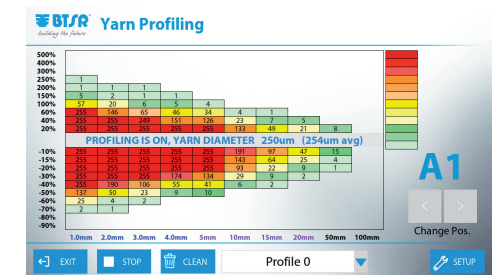
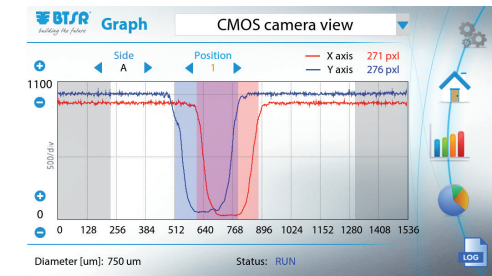
- X(10µm)-Y(10µm) – Z (10µm) RESOLUTION
- ABSOLUTE YARN DIAMETER MEASUREMENT
- UP TO FOUR CONTROL CHANNELS: Blister (+), Enamel cracks (-), missing wire...

### MINIMUM YARN SPEED RESOLUTION:

- 0.1 mm @ 100 m / min
- 1 mm @ 1000 m / min
- 3 mm @ 3000 m / min
- MINIMUM YARN DIAMETER MEASUREMENT 100 micron (0,1 mm)

### PROFILER FUNCTION

- DETECT ANY YARN DIAMETER VARIATION
- POSSIBILITY TO SET UP ALARMS IN ORDER TO ALERT AND STOP THE PROCESS IF OVERCOMING LIMIT VALUES



### MATRIX TOUCH IRIDIUM TERMINAL

Centralized programming and monitoring is possible thanks to MATRIX TOUCH IRIDIUM controller which will allow to program and control IRIDIUM SENSORS.

