

Bobbins Quality Inspection



All the detected parameters, in addition of being stored on the instrument PC, can be transmitted by a computer network (wireless or Ethernet cable) to the company management system and shared on a common DB for a complete traceability of the quality control performed and a consequent correct production management.

Technical Specifications

Bobbin Analysis Time		
3 cameras	60 sec	
5 cameras	30 sec	
9 cameras	15 sec	
Other times available on request and based on used technologies		

Electrical characteristics	
Nominal tension	380 Vac
Max. power	1 kWatt
Connection	3Ph + PE
Frequency	50 / 60 Hz
IP	IP54
Communication port	Ethernet

Suitable for yarn finishing oil

°C		
lensation)	Mechanical Characteristics	
	Dimensions L x H x P	650 x 1930 x 1800 mm
	Weight	390 kg

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working Conditions	
Temperatures	10/40 °C
Umidity	90% (no condensation)

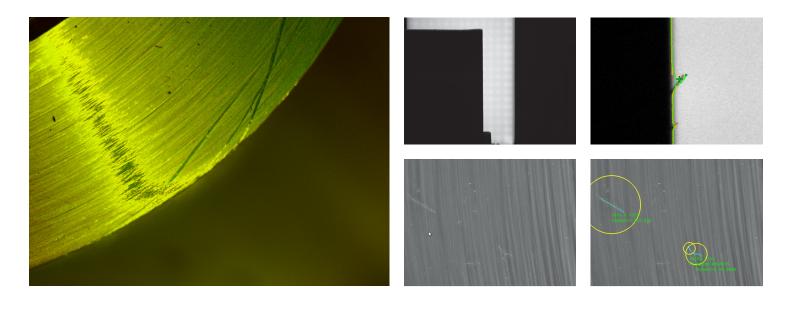
Bobbins Specifications		
Tubes lenght	150 - 200 mm	
Tubes diameter	120 - 140 mm	
Bobbins diameter	180 - 440 mm	
Other measures available on request and based on used technologies		

SKILLS

- count of broken filaments on the entire vertical face of the bobbin: protruding at least 2 mm

Paint on metal parts

- check the presence / absence of tails
- measure of diameter
- create personalized lots
- create a database with results
- work autonomously synchronized with the quality control department h24 d365
- count crushed broken filaments < 2mm
- · discrimination between broken filaments and spiral effect
- check single cross yarn traverse







INDUSTRIAL PC

Main Characteristics		
Operating system	Microsoft	
Database	Microsoft SQL	
Display	15.6 inch wide LCD TFT 16:9 HD	
Touch-screen	\checkmark	
	Suitable for yarn finishing oil	
Wi-fi	\checkmark	
Ethernet	\checkmark	
USB	\checkmark	



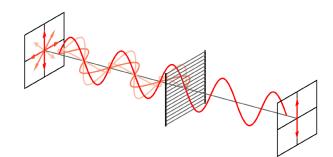
IN-LINE AUTOMATIC ROTATION SYSTEM

Main Characteristics	
Motor	Brushless precision angular positioner powered by a numerical control system
Motion transmission	A special roller moves the knurled pegs, that allow the rotation of the yarn bobbin.
Positioning	Pressure controlled tire + Tilting adaptation system for a precise transmission of the bobbin motion



INNOVATIVE LIGHTING SYSTEM AND CAMERA

The intersection between precise light angle and polarisation plans can discriminate very thin details, and these are the keys of our research.



Applications







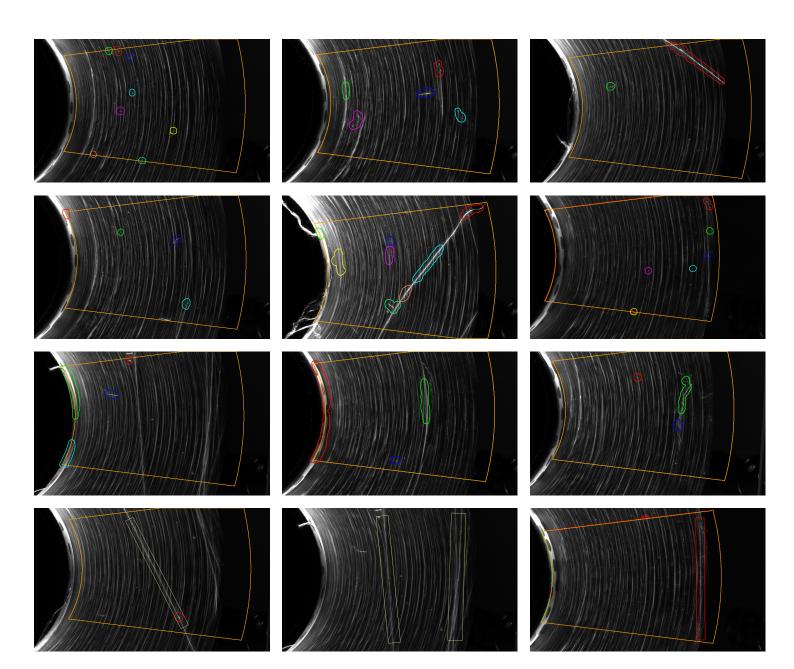






DEP_DIG_RAVISION_V1

Int Solutions



THEMA SYSTEM



THEMA 2 S.r.l. - Headquarter & workshop: Via G.Puccini, 2/4 - 46024 Moglia (MN) Italy - Tel. +39 0376 556400 C.F. e P.IVA (VAT): 02300850209 - SDI: 2LCMINU

thema@themasystem.com thema2@pec.it

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