

A NEW AGE IN QUALITY CONTROL

RA VISION FTK

***Fast Track Multiple Bobbins
Quality Inspection***

THEMA SYSTEM

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RA VISION FTK

RA Vision FTK is an automatic instrument for the visual control of the yarn bobbins (extrusion production process) to identify possible defects and to grade the bobbin by quality.

This configuration is designed for installation on packaging or sorting lines working on disks, suitable for both new installation and also existing units.

The solution will allow the **simultaneous inspection of two bobbins** in the same cycle time for an increased productivity.

The instrument carries out the whole series of checks, automatically classifying the bobbins by quality, based on the quantity and type of detected defects. All the parameters, in addition of being stored on the instrument PC, can be transmitted to the company management system for a complete traceability of the quality data.

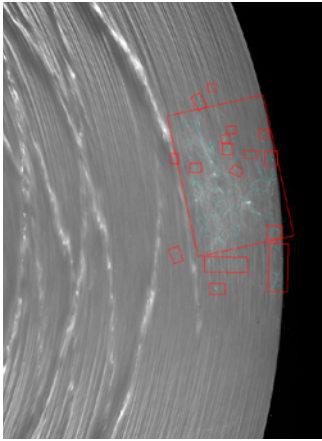
Specifications

Weight	700 Kg
Dimensions L x H x P	2157 x 2550 x 1193 mm
Max power	7.0 KW
Nominal tension *	400 VAC
Connection	3PH + N + PE
Frequency	50/60 Hz
IP	IP54
Communication port	Ethernet

* adaptable to Customer needs and variations upon request

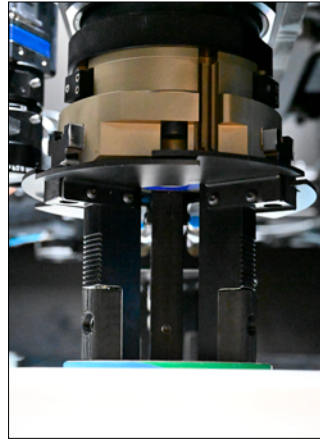


Automatic Vision Inspection and Classification



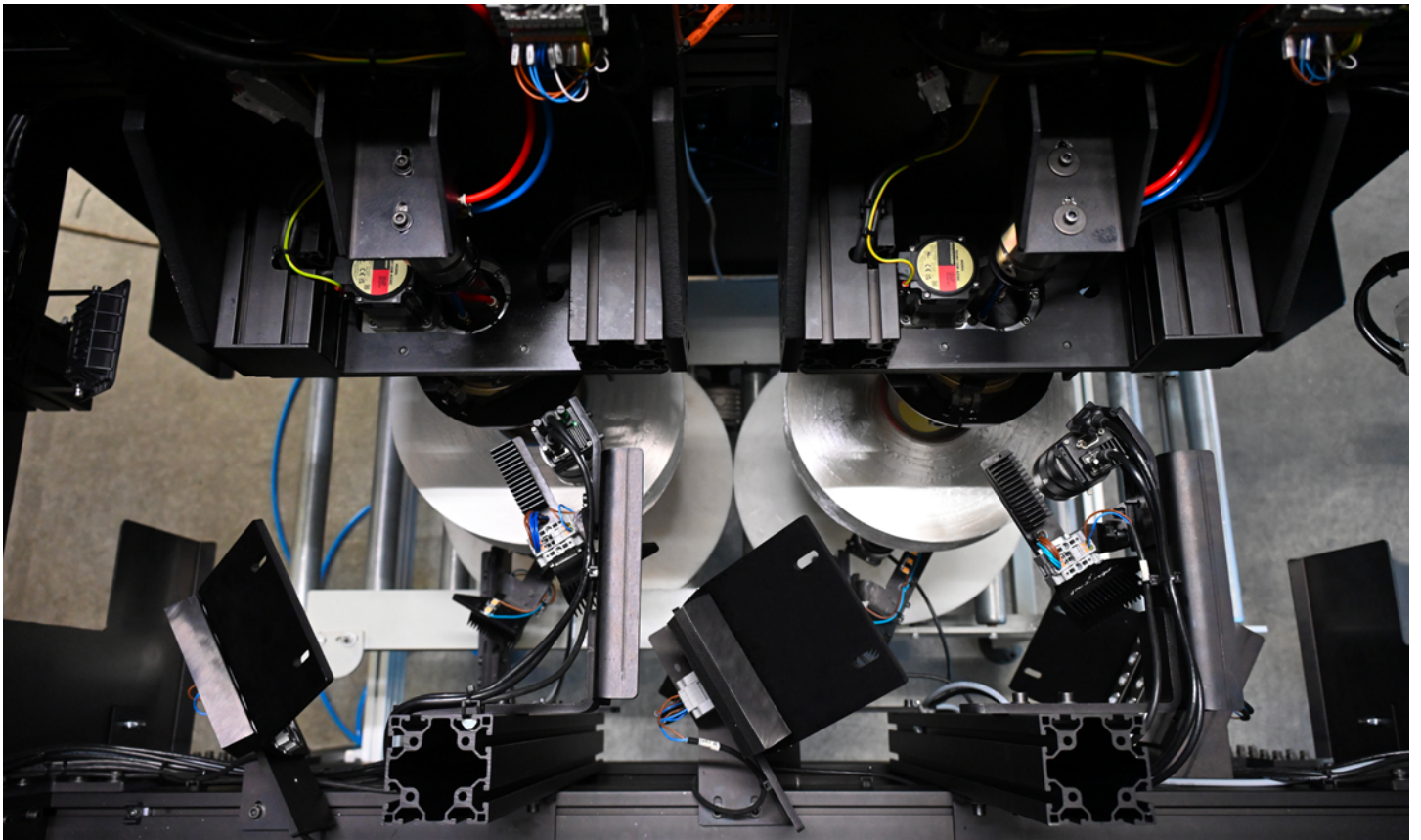
AI BASED SOFTWARE

The system is equipped with AI, based on neural network to properly classify the pictures into the different class of defects.



CLAMP

Clamping device to lift up and to rotate the bobbin during the inspection.



LIGHTS

The light plates are designed to avoid any dark area or shadow on the bobbin surface, and to have the desired light angle on the bobbin surface.

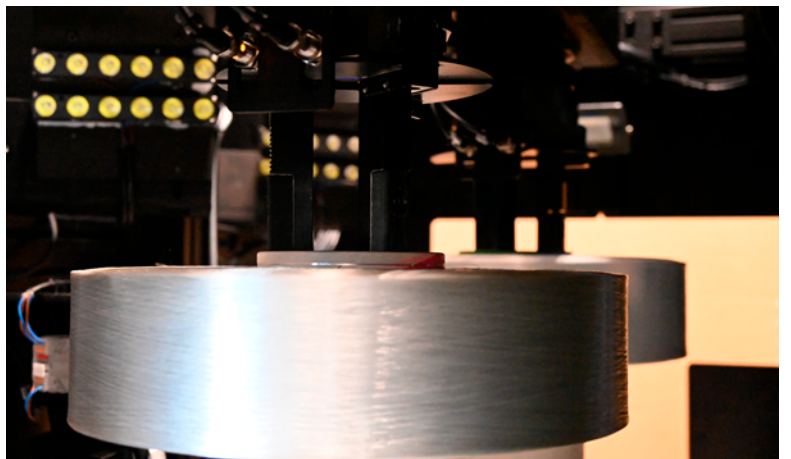
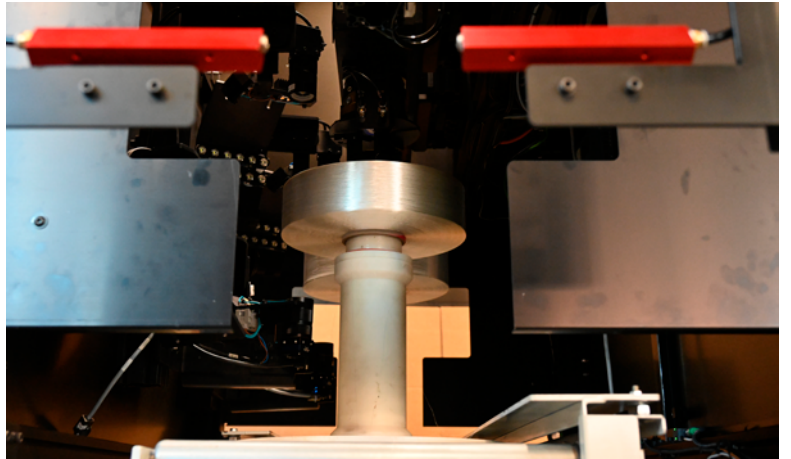
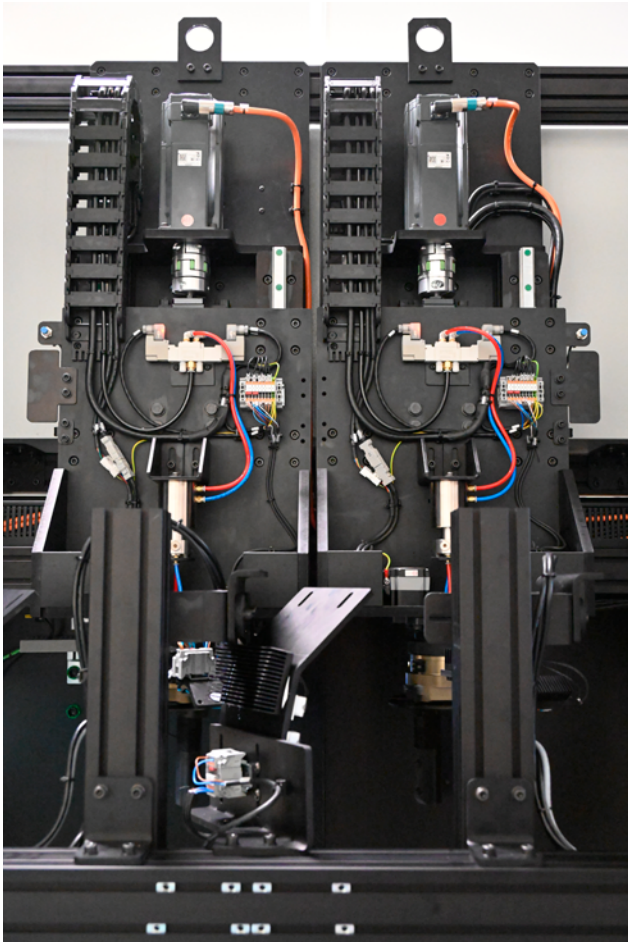
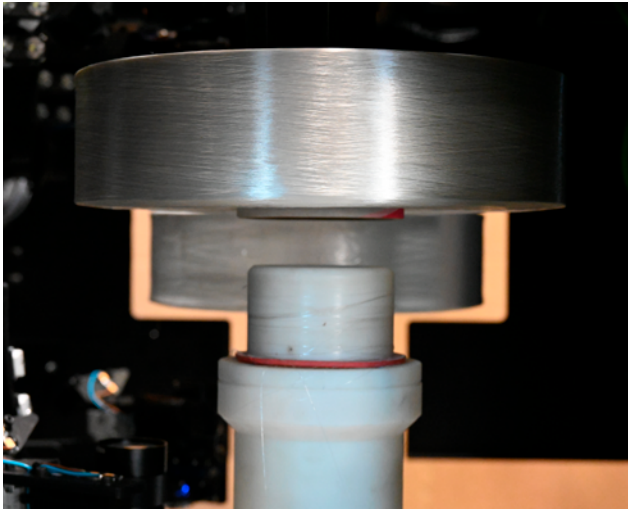
This special design will emphasize at the best all the defects on the bobbin surface.



CAMERAS

Two sets of linear cameras are used to scan both sides of the bobbins (upper and lower faces) during inspection time.

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 **THEMA SYSTEM**
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Made in Italy




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