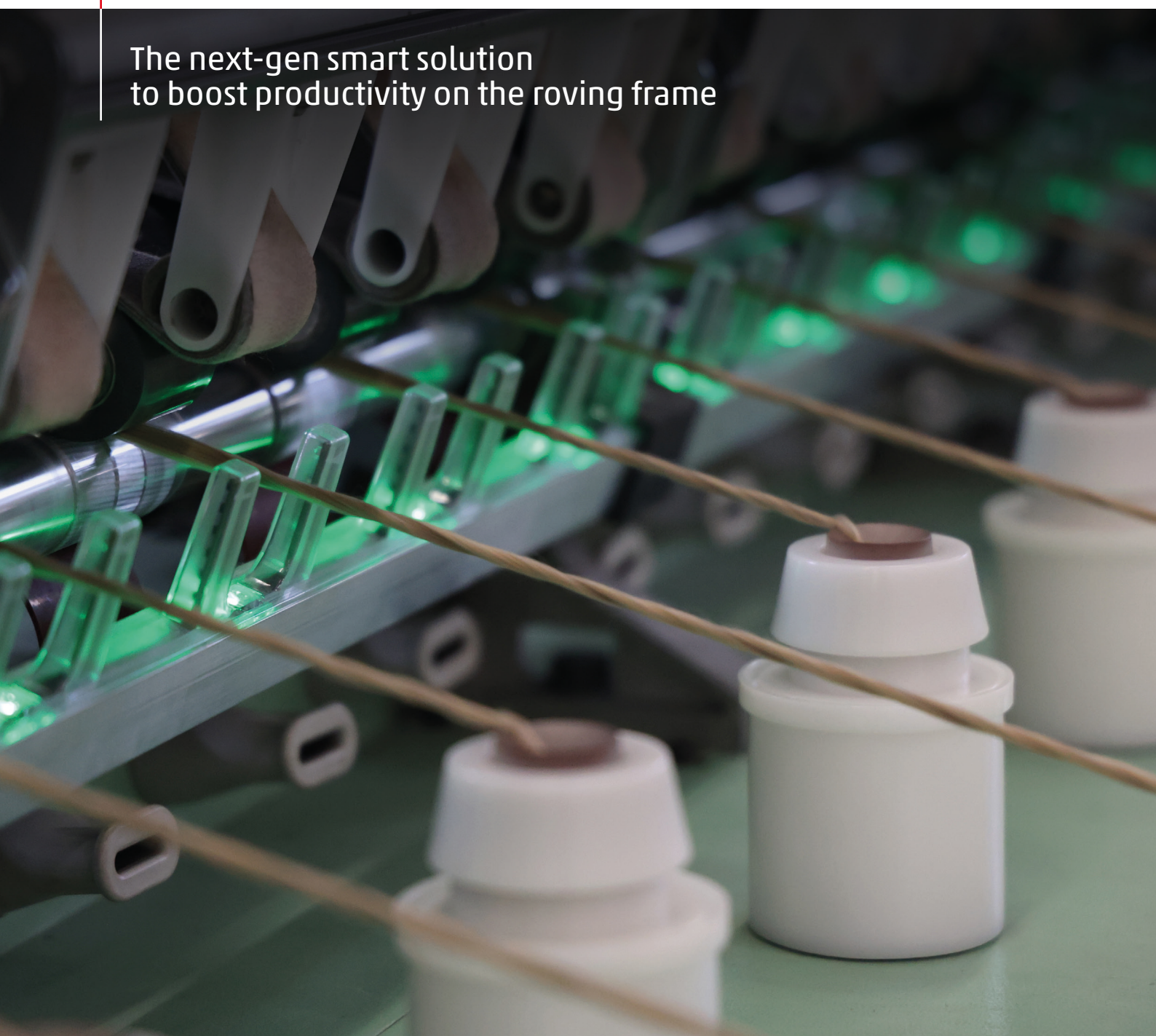


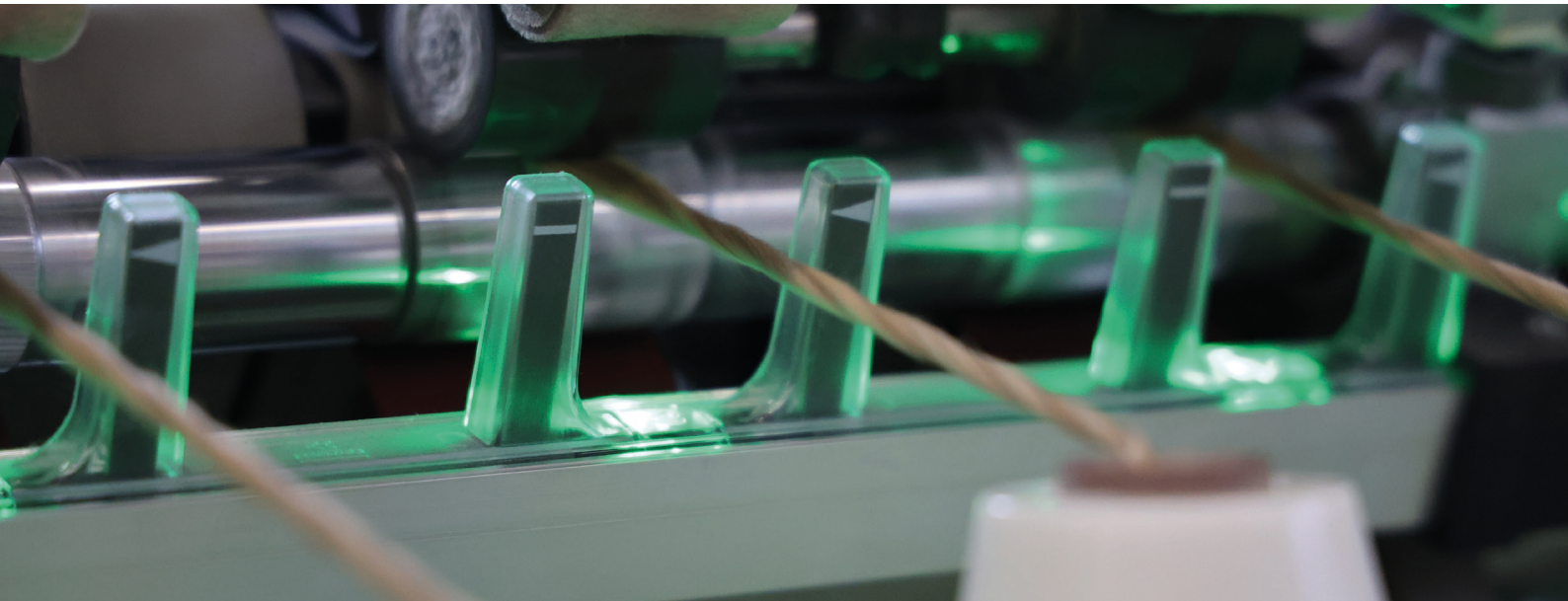
R2SPRO SENSORS

The next-gen smart solution
to boost productivity on the roving frame



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The **Marzoli R2Spro system**, an evolution of the R2S system with advanced statistical features for roving break detection, offers a highly precise and reliable monitoring solution.

Each group of four spindles is supervised by a robust and compact module, equipped with six independent infrared receivers. These detect the presence of the roving by the **interruption of an infrared light beam**, a principle that ensures the **detection is unaffected by roving color or diameter** and enables:

- Detection of any type of roving breakage
- Identification of material build-up following a break



Even though the previous version already featured low energy consumption, the R2Spro goes further by cutting it by two-thirds, down to just 0.1 Wh per spindle.

Operators are no longer required to manually interact with the sensors: individual spindles can be excluded simply by covering the optical sensors, eliminating the need for mechanical buttons. The system automatically

recognizes machine states such as stop, run and count via plc signals, managing alarms and status indicators accordingly.

In case recalibration is needed, it can be easily performed through the EVO-PRO board interface.

The R2Spro system also features red led indicators on each module, visible from a distance, allowing for rapid identification of the broken roving's location and fast operator intervention. On the operator panel, a clear and intuitive graphical interface shows spindle-level breakage statistics by formation, shift, and day, enabling quick detection of problematic spindles and increasing overall efficiency.



Combined with **MRM Marzoli Remote Maintenance** the R2Spro logs and stores breakage history.