

Color Check

Maximum process reliability – No lot mix-up

Your benefits:

- Material and lot mix-up eliminated
- Correct combination and allocation of tubes
- Continuous, contactless monitoring system for quality assurance



High Process Reliability with a Focus on Yarn Quality

Continuous monitoring of the tubes for correct combination and allocation

The Autoconer X6 stands for modern and flexible automation, offering single-link, multilink and multilot for type V and type D stand-alone winding machines as a single or duo-lot version. The level of automation in Autoconer X6 guarantees maximum process reliability with intelligent monitoring. Color Check is a conversion for Autoconer X6 suitable during multicount and multilot processing.

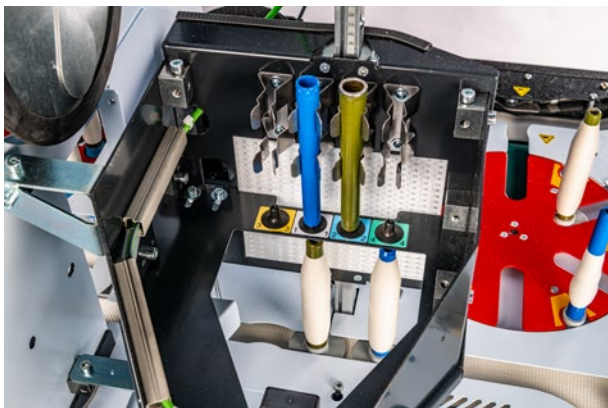
It can be installed in the material flow to monitor the tube colors and the correct assignment of the cops to the associated Smarttray. Placed on the Autoconer processing center, Color Check ensures that only the tubes of the defined lot are processed. Incorrect tubes are safely ejected before feeding into the winding units. They will be sent to manual preparation, including requests to the operators via HMI to remove the wrong tubes from the process. This avoids the mixing of lots in multilot or duo-lot processing and prevents the feeding of tubes from the wrong batch. The incorrect combinations of the lots due to manual interventions or mix-ups due to manual feeding are eliminated.

Non-contact detection for maintaining consistent yarn quality

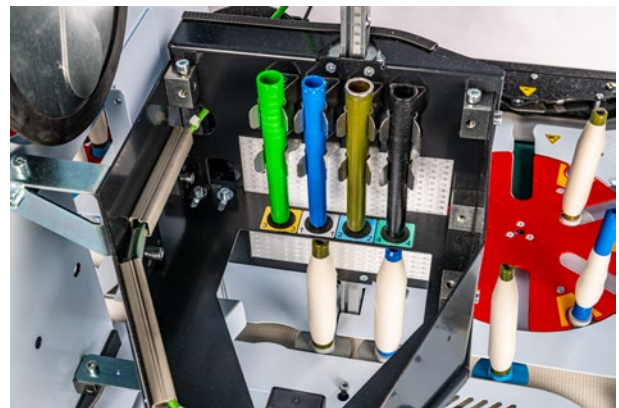
Color Check operates under the contactless principle without stopping the Smarttrays. A color camera system constantly compares the tube color with the RFID data in the allocated Smarttrays during feeding into the material flow. This ensures the yarn quality is maintained and production capacity is at its highest levels. Up to four different colored reference tubes can be processed at the same time.

Self-control system

Color Check has a self-control system. This compares the colors of the used tubes with each other during the initialization process and warns the operator if the tubes are too similar in color.



Color Check in operation with two different colored tubes.



Color Check in operation with four different colored tubes.

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