

# MISTRAL+ CONNECT

*The new benchmark for intelligent sorting of waste*

**After the success of the Mistral+ Full Package, Pellenc ST continues its innovation and is launching a new intelligent connected machine that will adapt to the new challenges faced in the recycling industry.**

In recent years, sorting centres have gradually witnessed more complex and expanding streams. The challenge is therefore to support operators in modernising their industrial equipment and providing them with the technology to meet ever-changing needs, with sustainable and adaptable solutions. It is in this context that Pellenc ST decided to develop Mistral+ Connect.



**MISTRAL+  
CONNECT**

**PELLENC SELECTIVE TECHNOLOGIES**

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Mistral+ Connect shares the robust all-in-one design concept of the Mistral+ Full Package. This equipment, which is TÜV Rheinland certified, combines a rapid conveyor belt with a detection system and an output box to guarantee quality all along the sorting value chain. Designed as a complete ergonomic system, the machine is simple to install and offers safe and easy access to operators. Thanks to the platform access, they can safely enter the output box for maintenance operations and no longer need to stop the line to clean lights or scanners.

Equipped with the latest generation detection technologies, this new range of machines stands out thanks to its exceptional sorting performance. The new “FLOW Detection” system combines a new spectrometer covering an extended NIR/VIS spectrum, as well as focused lighting. This combination enables recovery of waste with high levels of purity. In particular, the “FLOW Detection” system provides better detection and sorting of paper versus cardboard in sorting centres.

To strengthen the support provided to operators in their search for performance, Pellenc ST decided to include a series of sensors as standard on all of the Full Package range as well as offering services that can be used remotely or on site. These different scanners collect additional information to log and analyse equipment incidents, to avoid breakages or blockages and to analyse the breakdown and distribution of flows processed by the equipment. This data enables operators, in synergy with Pellenc ST experts, to better target corrective action to optimise availability rates of sorting sites as well as sorting quality.

Lastly, Pellenc ST guarantees the adaptability of its equipment. Already recognised for the modular features of its equipment, Pellenc ST is expanding its range and offers “Future Proof” features for all Mistral+ Connect machines. This guarantee is made possible thanks to the Central Nervous System (CNS) software platform. The CNS is provided as standard and offers the possibility of integrating future technologies and Pellenc ST scanners such as the IIoT, Watermarking and Artificial Intelligence in the form of upgrades.

The Mistral+ Connect is the new benchmark machine for operators aiming to modernise their industrial equipment to meet the new standards used by 4.0 sorting centres.



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