PELLENC ST
WE CAN SORT IT

MISTRAL+
CONNECT

The most versatile intelligent and connected sorting machine for waste recovery.

FUTURE PROOF

CERTIFIED — LR — ISO/IEC 27001

Unmatched performances

FLOW
DETECTION : a unique design, by Pellenc ST
- **New multi-stream spectrometer**
- **Focused light** for a more accurate signal
- **Complete coverage of NIR/VIS spectra** with a unique spectrometer
- Optimised Electronic for a **better signal/noise ratio**

High capacity sorting recognized on the market
- **Turbosorter 3rd generation: 2D Objects stabilisation**
- **Top Speed 2nd generation: + 50% capacity with iso performance**

4.0 Industry & Services

Sensors to enhance customer relationship

Increased **availability**
- Conveyor performance **analysis**
- **Alert** to prevent outputbox jams
- **Assistance** in the prevention and prediction of conveyor equipment breakage

Performance Optimization
- Stream composition **monitoring & alerts**
- Stream distribution **monitoring**
- Belt cleanness **monitoring**

Customer **Support**
- One year **service included**
- **Maintenance & Expertise** visits
- Hotline **24/7**

Future Proof

- **Upgradability** Guarantee
- Compatibility of all **new sensors (AI, Watermarking, IoT,..)** as upgrades

MISTRAL+ CONNECT

Full Package : a complete system

Type Approved
Safety
Regular Production
Surveillance

TÜVRheinland
CERTIFIED
www.tuv.com
ID 1111259618

- **A unique TÜV certified solution**
- **Designed for simple integration**
- **Easy and secure machine access**

Low maintenance cost

- **Retractable platforms for easy maintenance**
- **Low replacement rate of wearing parts** (electrovalves, lamps)
- **Economical Vortex cooling system** (no air conditioning)

24/7 Customer Service

SMART & SHARE

- **A turnkey offer, including wear parts**
- **Local & personalised support**
- **Connected machines: Smart&Share**

PELLENC ST
WE CAN SORT IT

PET

FILM

PAPER

RDF

4 main applications

Configurations

Widths (mm)

800-1200-1600-2000-2400-2800

Materials

PET, PE, PP, paper, wood, domestic waste, organic, RDF...
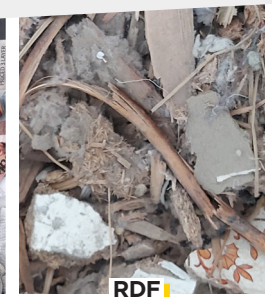
Options

- Turbosorter
- Profile Detection
- Dual Eject
- Top Speed
- Metal sensor
- Multi-channel management

Valve blocks

S	Standard : 25mm	**HR**	High Resolution 12,5mm
HP	High Power : 25mm	**SP**	Super Power 12,5mm

Available data

- **Sorting data available locally**
- Communication Protocols : **Modbus, Profinet & OPCUA ready**

- Remote maintenance access
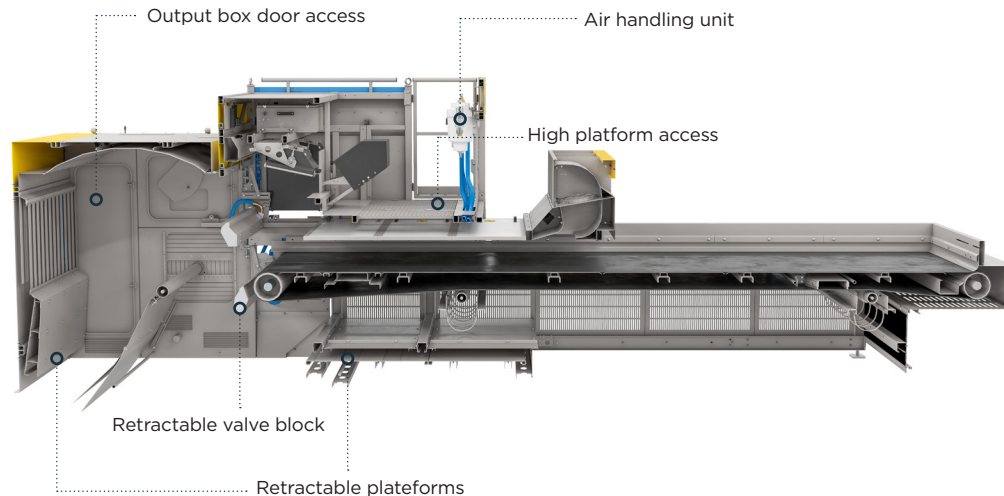- Connectivity **Smart&Share**

Robustness

- Working temperature: **-10°C- +55°C**
- IP 65
- Touchscreen

Easy, quick & safe maintenance

- Output box door access
- Air handling unit
- High platform access
- Retractable valve block
- Retractable plateforms

FOCUS

PROFILE DETECTION
Black and inert sorting
Secure & cost-effective technology

TOP SPEED
Better sorting flexibility
+50% capacity at iso performance

TURBO SORTER
High quality & sorting speed
Robustness: no wearing parts, MTBF>20 000h
Very low energy consumption
Simple integration