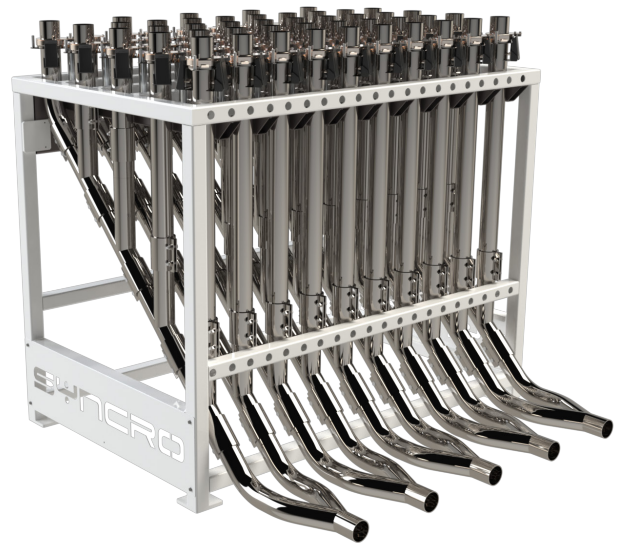




# TWYSTER

## Manual material sorting station

**TWYSTER** is a material distribution station designed to flexibly connect various feed sources — silos, day bins, bag-emptying stations — to multiple destinations or plastic processing machines, ensuring that each receives the correct material. As the connection is made manually, there is a real risk of error. To prevent the wrong material from entering the processing machines, each connection can be fitted with RFID sensors and monitored!



### OPERATING PRINCIPLE

Twyster distribution stations are fitted as standard with quick-connect fittings, which are practical and quick to use. The fittings can be integrated with RFID (Radio Frequency IDentification) technology: a contactless recognition system comprising a reader mounted on the fixed fitting and a transponder (tag) attached to the cap or hose connector. At each reconnection, the reader scans the tag and automatically transmits a confirmation signal to the supervisory system, which verifies in real time that the material source and the destination machine match correctly. The risk of incorrect pairing is reduced to zero.

### MAIN FEATURES

#### ADVANTAGES

- Prevent incorrect materials from entering the machine or production process, thereby avoiding production waste, returns and associated costs.
- Material traceability and process documentation (certification – PPWR 2025/40).
- Simple, fast and reliable manual coupling.
- Error prevention guarantees long-term cost savings and a rapid return on investment.
- Retrofitting possible on existing laminating stations, even those from manufacturers other than Syncro (to be verified).
- Standardised data interface for easy integration into existing production management systems.

#### INTEGRATED TRANSPORT

The coupling stations are integrated into the Sylink transport systems and are controlled by the Synet system, which manages the loading process.

#### ACCESSIBILITY

Access to all parts of the system is simple, quick and reliable, whether in terms of use, installation or the few maintenance procedures required

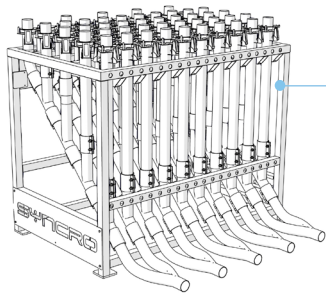
#### SAFETY

No risk to the operator: there are no moving parts and the components do not require the use of tools to operate.

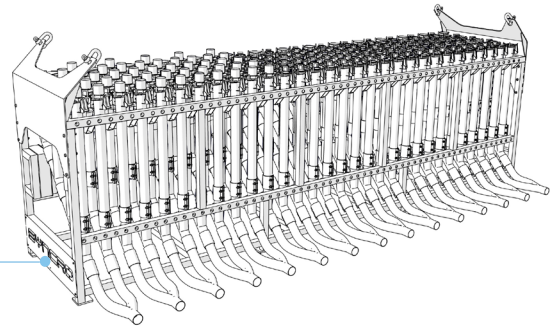
#### INDUSTRY 5.0 & IoT

All SYncro machines are ready to be integrated with third party supervisory controls and ERP systems using the latest generation of OPC-UA protocols as standard.

## CONFIGURATIONS

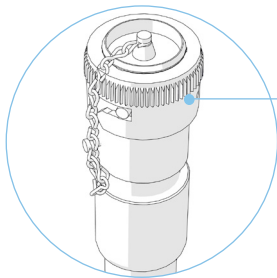
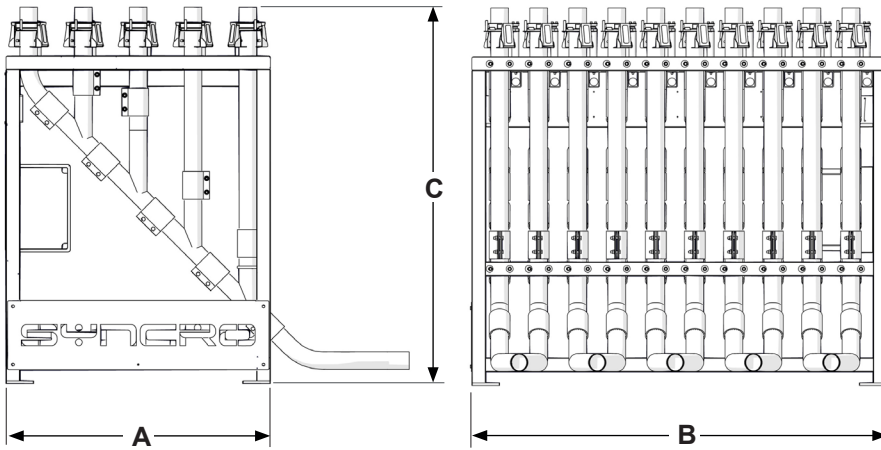


DISPOSITION  
5 X 50

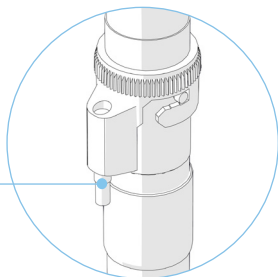


DISPOSITION  
15 X 150

## TECHNICAL DATA



QUICK-RELEASE  
SYSTEM



SENSOR  
RFID



SYNET  
(OPTIONAL)



Model	TWISTER 5 x 50	TWISTER 15 x 150
Dimension A (mm)	960	
Dimension B (mm)	1500	4300
Dimension C (mm)	1360	1520
N° of sensors	up to 150; arranged in 5 rows	
Pipe diameter (mm)	Ø 40, Ø 50, Ø 60.3, Ø 70 o Ø 76.1	
Current (A)	2 per line (5 lines/150 sensors = max 10)	
Weight (Kg)	2450 mm	1445 mm
Temperature range	5°C - 40°C (41°F - 104°F)	