



MYCORD

Cord Analysis in rubber production

MYCORD is the SYncro device for measuring the position of metal cords, cord density (EPI) and for measuring rubber edges, in the rubber production process.



OPERATING PRINCIPLE

A SYncro scanner equipped with a X-ray tube and a special SYncro receiver, monitors the passage of the "Steel Cord" product by checking density, position, diameter and space between the metal cords, and measures edges on the sides of the rubber sheet. High scanning speed. High gap for lump pass without interference.



MAIN FEATURES

EASY CONTROL OF STEEL CORD PRODUCTION

The production of steel cord is controlled and the absence of anomalies typical of these productions is verified: wire breakage, lack of wires, wires diameter, relative position, EPI, tension of the rubber sheet edges measure.

MEASURE WIRES

The following parameters are verified:
 Distance center to center for all adjacent wires
 Diameter of all wires and alarm if a single wire does not correspond to specifications.
 EPI (Ends Per Inches): medium density of wire.
 Partial EPI measurements are also proposed, corresponding to the densities in 5 zones of the profile.
 Alarm for missing/broken wire.
 The real-time visualization of the film allows the analysis of the mechanical tension of the product.

MEASURE EDGES

Each scan measures the distance from start of rubber and start of the first wire (on both sides).
 The two measurements are indicated in two displays located near the knives to help the operator when adjusting trims.

SCANNER STRUCTURE

The solide frame provides excellent resistance to bending of the main frame and guarantees perfect measurement stability.

OPERATOR SAFETY

A traffic light warns the operator when X radiation is emitted. The system includes safety inputs to be connected to doors and bars which immediately make the instrument safe.

EASY ACCESS FOR MAINTENANCE

The MYCORD has been designed to guarantee easy access for maintenance operations.

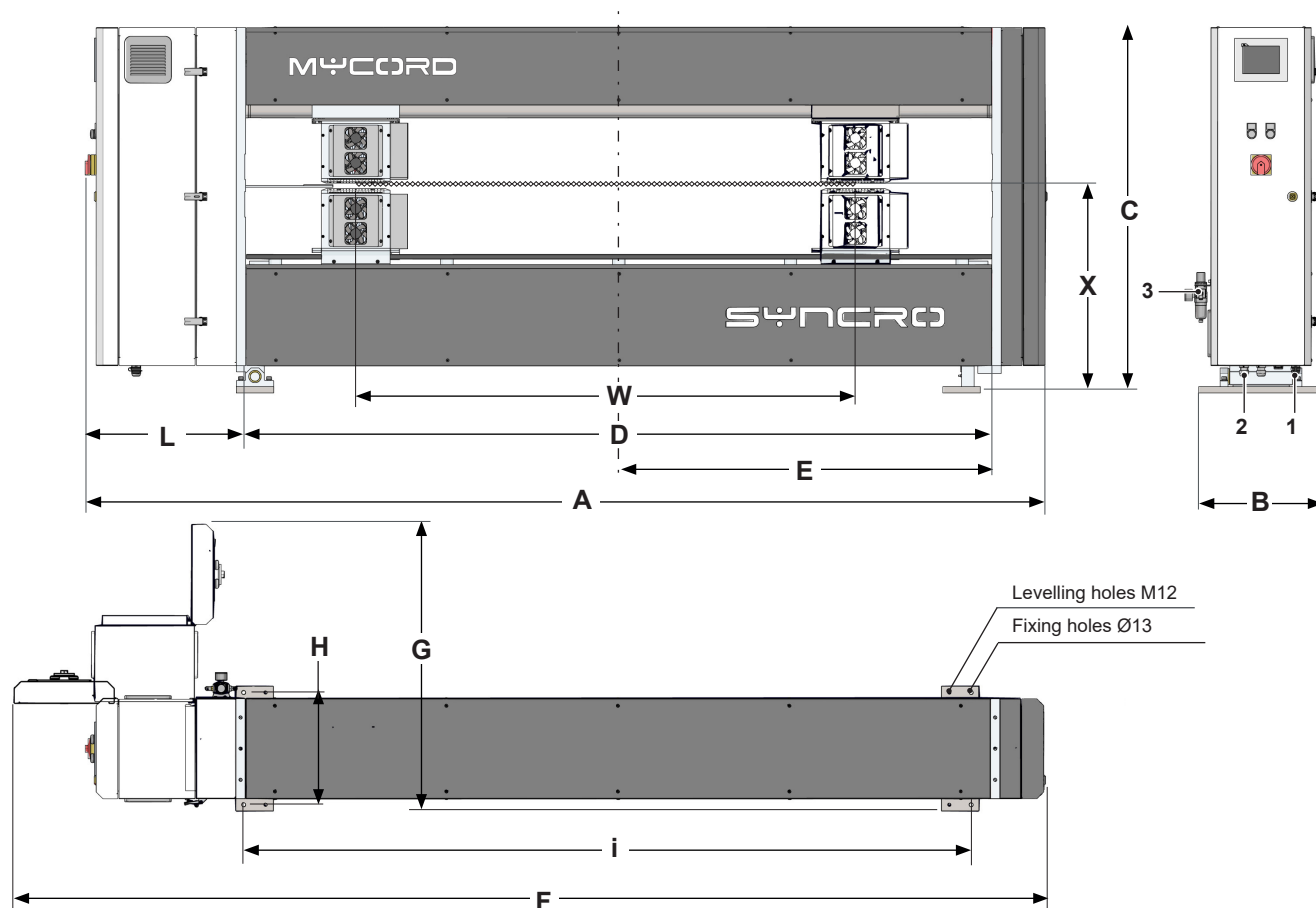
FAST SET UP

The average start up is done in less than 2h.

INDUSTRY 4.0 & 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.

TECHNICAL DATA



Model	W max Film width (mm)	X h. Film (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	i (mm)	L (mm)	Max Thickness (µm)	Power (kW)	Weight (kg)
1000	1000	663,5	2460	400	1200	1790	855	2677	945	360	1733	504	500	0,8	445
1200	1200		2580			1910	915	2797			1853				
1400	1400		2820			2150	1035	3037			2093				
1600	1600		3060			2390	1155	3277,5			2333				
1800	1800		3180			2510	1215	3397			2453				
2000	2000		3420			2750	1335	3637,5			2693				
2200	2200		3680			2990	1455	3897			2933				
2400	2400		3800			3110	1515	4017			3053				514
2600	2600		4040			3350	1635	4257			3293				
2800	2800		4280			3590	1755	4497			3533				
3000	3000		4400			3710	1815	4617			3653				
3200	3200		4640			3950	1935	4857,5			3893				
3600	3600		4880			4190	2085	5097			4133				
4000	4000		5480			4790	2355	5697			4733				
4400	4400		5840			5150	2535	6057			5093				
4800	4800		6200			5510	2715	6417,5			5453				

1_ Communication interface; 2_ Power supply; 3_ Compressed air inlet.