



EASYCORD

Cord Analysis in rubber production

EASYCORD is the new Acelabs device for measuring the position of metal cords, cord density (EPI) and for measuring rubber edges, in the steel cord production process.



OPERATING PRINCIPLE

A number of measuring devices (2-4 depending on the configuration), each consisting of an X-ray tube and a special Acelabs receiver, monitor the passage of the "Steel Cord" product by checking the density, position, diameter and space between the metal cords, while simultaneously measuring EDGEds on the sides of the table. The 100 Pct of the material is controlled and the measurement of the edges is instantaneous and continuous (10 HZ).



MAIN FEATURES

COMPLETE PRODUCT INSPECTION

The product is fully inspected: this allows the user to be able to produce a CERTIFICATION of every reel produced.

NO MECHANICAL INTERFERENCE WITH THE RUBBER

Easycord, without scanners and heads, solves the problem of the lump, by leaving a space of more than 30 cm for the passage of the material.

No attention is needed from the operators and no lump detector system is needed.

The system allows free installation, even immediately after the calender cylinders. This allows for almost instantaneous and continuous adjustment.

NO MOVING PARTS

The new Acelabs system has no moving parts, eliminating periodic maintenance operations and any machine downtime.

Less spare parts and maintenance cost.

NO CALIBRATION

No post commissioning calibration necessary.

FREE MECHANICAL INSTALLATION

Thanks to the intrinsic absence of dangers due to the lumps and thanks to the slim profile, the Easycord allows free installation, even immediately after the calender cylinders. This allows for almost instantaneous and continuous adjustment.

ZERO MAINTENANCE

No maintenance required: the system autonomously informs the maintenance people of the need for device checks.

CONTINUOUS EDGE MEASUREMENT

The edges are constantly monitored (<100 msec) and automatic adjustment of the trims is provided.

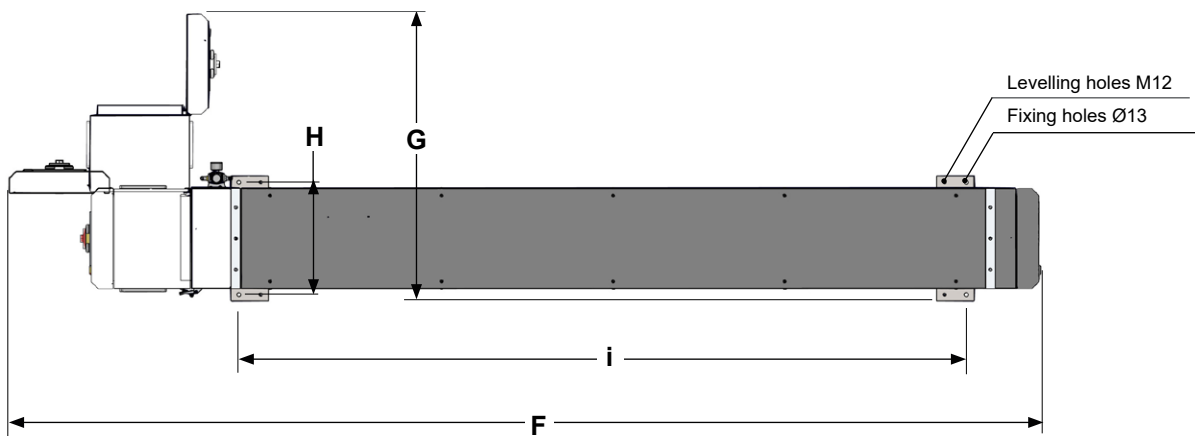
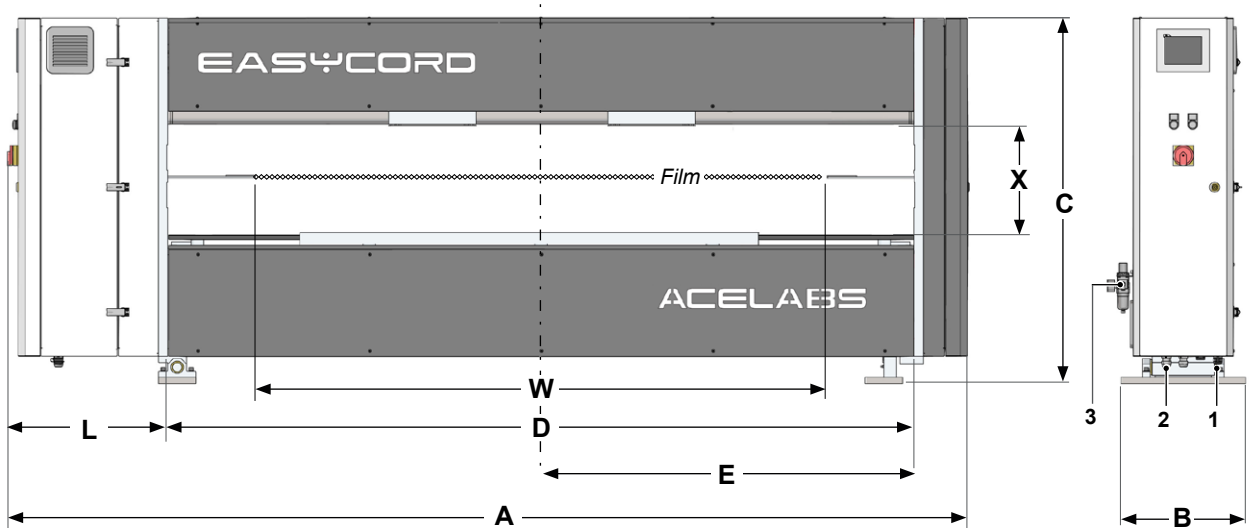
STABLE AND PRECISE

Extremely stable and precise measurement: down to 0,1 mm of accuracy.

INDUSTRY 4.0 & IoT

All Acelabs 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 (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)
1400	1400	300	2820	400	1200	2150	1035	3037	945	360	2093	300	504	0,8	505
1600	1600		3060			2390	1155				3278				2333

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