



EASYCOATER

Adhesive layer measurement in lamination process

EASYCOATER is the new Syncro device for measuring the thickness of adhesive during the lamination process.

The reflection measurement setup grants an easy and non-invasive mechanical installation.

The non-contact InfraRed (IR) head can detect adhesive grammage in the range 0.2 – 20 g/m².



OPERATING PRINCIPLE

Easycoater measures the grammage of the coating based on the absorption of the distinctive infrared wavelengths of both solventless and solvent-based adhesives; the presence of a metallic surface on the opposite side of the film (i.e. the roller) creates a reflection phenomenon that allows both a strengthened signal due to the double optical travel, and the typical reflection setup with only one head.



MAIN FEATURES

MEASUREMENT FOR ALL SUBSTRATES AND PRODUCTIONS.

Easycoater can measure adhesive coatings on any lamination substrates: printed, metallized, transparent films and polyolefins.

STABLE AND PRECISE

Extremely stable and precise measurement: down to 0,2 g/m² of repeatability.

Internal temperature and humidity compensation of the measuring head guarantees the correct measurement in different working environments.

AUTOMATIC REGULATION

The system manages in closed-loop the adhesive coating process. The acquired data from the scanning are analyzed in order to generate a signal (either analog or digital) for handling the optimal adjustment of the coating roller which applies the adhesive.

FAST SET UP

The average installation is done in less than 2h.

EASY ACCESS FOR MAINTENANCE

Easycoater has been designed to guarantee easy access for maintenance operations.

Long lifetime, easy to clean, rugged and robust frame.

SMOOTH MECHANICAL INSTALLATION

Easycoater is based on the typical backscattering setup, therefore it does not require a second head on the other side of the film thus allowing easy installation on the lamination unit.

A simple reflective plate must be positioned under the film when it is not possible to use an existing roller as reflector.

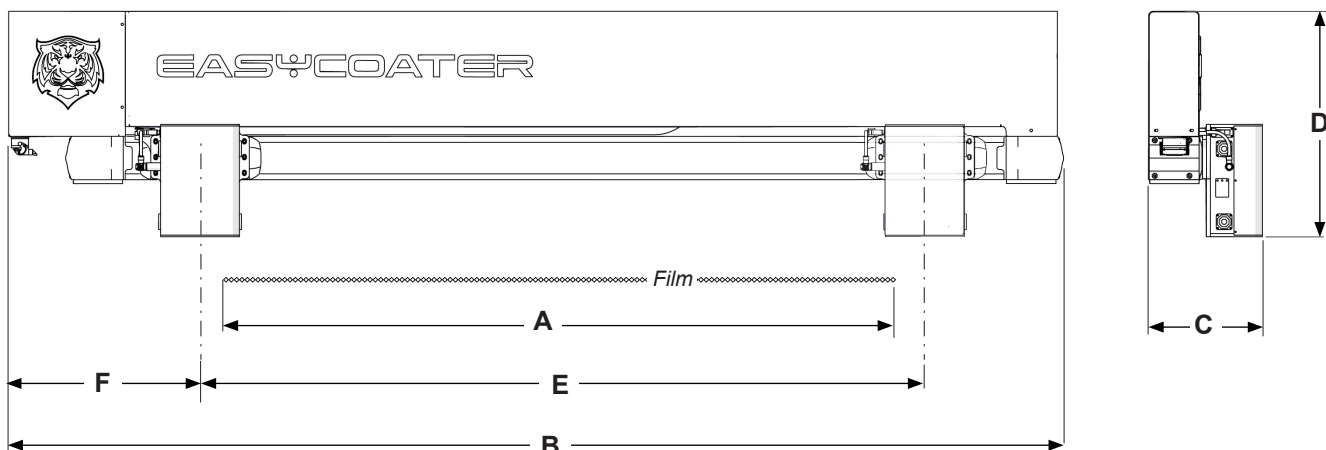
AUTOMATIC DIAGNOSIS

No periodic maintenance required: the system autonomously diagnoses itself and informs the operator if maintenance is needed.

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	A max Film width (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Power (kW)	Weight (kg)
1100	1100	2077	290	740	1250	485	2,3	70
1300	1300	2277			73			
1500	1500	2477			78			
1600	1600	2577			80			
1700	1700	2677			82			
1800	1800	2777			85			
1900	1900	2877			87			
2100	2100	3077			90			
2300	2300	3277			95			
2500	2500	3477			105			
2700	2700	3677			120			
2900	2900	3877			135			
3100	3100	4077			150			
3300	3300	4277			165			
3500	3500	4477			180			